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Attorneys for Federal Defendants

UNITED STATES DISTRICT COURT

DISTRICT OF OREGON

NORTHWEST ENVIRONMENTAL
ADVOCATES, a non-profit corporation,

Civ. No. 05-1876-HA

Plaintiff,

v.

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY, NATIONAL
MARINE FISHERIES SERVICE, and
UNITED STATES FISH AND WILDLIFE
SERVICE,

Defendants.

UNITED STATES' NOTICE OF FILING
EPA'S AMENDED ADMINISTRATIVE
RECORD AND INDEX PURSUANT TO
OCTOBER 21, 2009 ORDER

Pursuant to the Court's October 21, 2009 Order (Docket No. 193), notice is provided to the Court and the parties that the United States is hereby filing the Certification of Amended Administrative Record for EPA (Pursuant to October 21, 2009 Order), along with the index for the record. The certification and index are attached hereto as Attachment A.

Pursuant to Local Civil Rule 100.4(f), EPA's amended administrative record will not be filed using the Court's Electronic Case Filing system. Accordingly, notice also is provided that, on November 20, 2009, the United States is sending for filing with this Court a disc that contains EPA's amended administrative record. The United States also is sending a courtesy copy of the disc for Judge Haggerty's chambers. Copies of the disc also are being sent today to counsel identified on the Certificate of Service.^{2/}

Respectfully submitted,

IGNACIA S. MORENO
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Environment & Natural Resources Division

/s/ Mark A. Nitczynski
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Attorneys for United States of America

Dated: November 20, 2009

^{2/} For the convenience of the Court and the parties, the discs being sent today contain electronic copies of all of the documents contained in EPA's administrative record, including the documents that were added to the record pursuant to the Court's October 21, 2009 Order (Docket No. 193) and the documents that were contained in EPA's previous record filings.

CERTIFICATE OF SERVICE

I hereby certify that on November 20, 2009, I caused a true copy of the foregoing
UNITED STATES' NOTICE OF FILING EPA'S AMENDED ADMINISTRATIVE RECORD
AND INDEX PURSUANT TO OCTOBER 21, 2009 ORDER (with attachment) to be served on
each of the following counsel in the manner indicated below:

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☐ Via First-Class mail, postage pre-paid
☐ Via Overnight Mail
☒ Court notice of electronic filing via
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MARK A. NITCZYNSKI

ATTACHMENT A

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Attorneys for United States of America

UNITED STATES DISTRICT COURT
DISTRICT OF OREGON

NORTHWEST ENVIRONMENTAL ADVOCATES, a
non-profit corporation,

Plaintiff,

v.

UNITED STATES ENVIRONMENTAL PROTECTION
AGENCY, NATIONAL MARINE FISHERIES
SERVICE, and UNITED STATES FISH AND
WILDLIFE SERVICE,

Defendants.

Civ. No. 05-1876-HA

CERTIFICATION OF
AMENDED
ADMINISTRATIVE RECORD
FOR EPA (PURSUANT TO
OCTOBER 21,2009 ORDER)

The United States Environmental Protection Agency (“EPA”) certifies that the materials listed in the attached amended index constitute the administrative record for EPA’s action on March 2, 2004 to approve revisions to Oregon’s water quality standards, as follows:

1. EPA filed its administrative record index on June 7, 2006 (Docket No. 34), and filed a supplemental index and Log of Excluded Documents on March 21, 2008 (Docket No. 139), in compliance with the Court’s January 7, 2008 order (Docket No. 134).

2. In June, 2008, as part of the “meet and confer” process with Plaintiff, EPA agreed to add to its record 24 documents it had previously included on the Log of Excluded Documents that EPA filed on March 21, 2008.

3. In addition, as discussed in footnote 3 and the accompanying text of Federal Defendants’ Opposition to Plaintiff’s Motion to Complete Administrative Records (Docket No. 153), EPA subsequently determined to add an additional 16 documents to its record.

4. Furthermore, in compliance with the Court’s Opinion and Order dated February 11, 2009 (Docket No. 175), EPA reconsidered its assertion of the deliberative process privilege with respect to the documents listed on EPA’s Log of Excluded Documents that was filed in connection with Federal Defendants’ Opposition to Plaintiff’s Motion to Complete Administrative Records. See Attachment 1 to Docket No. 161. EPA determined that 58 of the documents listed on that log should be added to EPA’s record, including the eight that the Court ordered released, and another 50 that EPA determined would not be considered to be privileged based on the standards enunciated in the Court’s February 11, 2009 Opinion and Order.

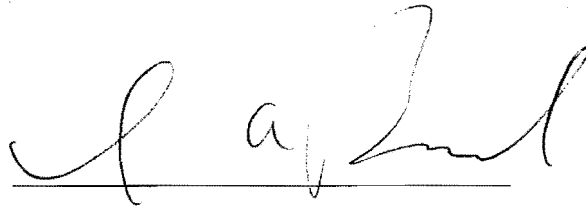
5. Accordingly, on May 1, 2009, EPA filed an Amended Administrative Record and Index (See Docket Nos. 180, 183) which included: (1) the documents listed on the indices filed

with the Court on June 7, 2006 and March 21, 2008; (2) the documents EPA determined to add to its record as discussed above in paragraphs 2 and 3; and (3) the 58 documents described above in paragraph 4. On May 7, 2009, EPA filed its Updated Logs of Excluded Documents (Docket No. 186).

6. Following the Court's *in camera* review of documents identified in EPA's Updated Logs of Excluded Documents, on October 21, 2009 (Docket No. 193), the Court ordered two of EPA's excluded documents (HQ 74, DMK 194) to be released.

7. Accordingly, the amended record and index filed herewith includes the two additional documents (HQ 74, DMK 194) ordered released in the Court's October 21, 2009 Order.

In witness whereof, I have signed this statement on the 14th day of November 2009, at Seattle, Washington.

A handwritten signature in black ink, appearing to read "M. A. Bussell", is written over a horizontal line.

Michael A. Bussell
Director
Office of Water and Watersheds
Region 10
United States Environmental Protection Agency

**EPA REVIEW AND APPROVAL OF
2003 REVISIONS TO OREGON'S WATER QUALITY STANDARDS
SUPPLEMENTED ADMINISTRATIVE RECORD INDEX**

DOC NO.	DATE	DOCUMENT	Bate Numbers
I. EPA's Approval of Oregon's Revised Uses and Standards Submitted December 2003			
I.A. Approval Action of Oregon's Revised Uses and Standards Submitted December 2003			
1	3/2/04	Letter to Stephanie Hallock, Director, ODEQ, from John Iani, EPA RA, re: Approval of Oregon State Water Quality Standards (OAR 340-041) for Temperature, Inter-Gravel Dissolved Oxygen and Antidegradation Att. 1: Support Document for EPA's Action Reviewing New or Revised Water Quality Standards for the State of Oregon, March 2, 2004	OR_EPA_AR_000001 - 000109
2	3/2/04	Memorandum to Randy Smith and John Iani, EPA, from Dru Keenan and John Palmer, EPA, re: Recommendation to Approve Oregon's Revised Standards for Temperature, Intergravel Dissolved Oxygen, Natural Background, Anti-degradation Implementation Methods and Beneficial Use Designations for Salmonids Att. 1: (refer to document 1, attachment 1)	OR_EPA_AR_000110 - 000111
I.B. Oregon's Revised Uses and Standards Submitted December 2003			
3	2/24/04	Letter to Randy Smith, EPA, from Larry Knudsen, Assistant State Attorney General, Natural Resources Section, re: Attorney General Certification of Oregon Water Quality Standards Revisions Adopted December 4, 2003 Att. 1: Oregon Environmental Quality Commission Minutes of the Three Hundredth and Fifteenth Meeting, December 4-5, 2003, Regular Meeting	OR_EPA_AR_000112 - 000145

DOC NO.	DATE	DOCUMENT	Bate Numbers
3	2/24/04	Att. 2: Secretary of State Certificate and Order for Filing, Permanent Administrative Rules Att. 3: Administrative Rules	
4	2/4/04	Letter to Randy Smith, EPA, from Michael T. Llewelyn, ODEQ, re: Oregon Responses to EPA, Questions re: State's Water Quality Temperature Standards	OR_EPA_AR_000146 - 000149
5	12/19/03	Letter to Randy Smith, EPA, from Michael T. Llewelyn, ODEQ, re: Oregon Responses to EPA Questions re: State's Water Quality Temperature Standards	OR_EPA_AR_000150 - 000153
6	12/10/03	Letter to John Iani, EPA, from Stephanie Hallock, ODEQ, re: Oregon Submission of Revisions to the State Water Quality Standards (OAR 340-041) for EPA Review and Approval	OR_EPA_AR_000154 - 000155
		Att. 1: ODEQ Water Pollution Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon Att. 2: OAR Chapter 340 Division 41 Tables & Figures: Appendix I Table 20: Water Quality Criteria Summary Table 21: Dissolved Oxygen and Intergravel Dissolved Oxygen Criteria Table 101A: Designated Beneficial Uses Mainstem Columbia River (340-41-0101) Table 101B: Beneficial Uses Mainstem Columbia River Table 121A: Designated Beneficial Uses Mainstem Snake River (340-41-0120) Table 121B: Beneficial Use Designations–Fish Uses Mainstem Snake River Table 130A: Designated Beneficial Uses Deschutes Basin (340-41-0130)	OR_EPA_AR_000156 - 000298

DOC NO.	DATE	DOCUMENT	Bate Numbers
6	12/10/03	<p>Table 140A: Designated Beneficial Uses Goose and Summer Lakes Basin (340-41-0140)</p> <p>Table 140B: Beneficial Use Designations–Fish Uses Goose and Summer Lakes Basin, Oregon</p> <p>Table 151A: Designated Beneficial Uses Grande Ronde Basin (340-41-0151)</p> <p>Table 160A: Designated Beneficial Uses Hood Basin (340-41-0160)</p> <p>Table 170A: Designated Beneficial Use John Day Basin (340-41-0170)</p> <p>Table 180A: Designated Beneficial Uses Klamath Basin (340-41-0180)</p> <p>Table 190A: Designated Beneficial Uses Malheur Lake Basin (340-41-0190)</p> <p>Table 190B: Beneficial Use Designations–Fish Uses Malheur Lake Basin, Oregon</p> <p>Table 201A: Designated Beneficial Uses Malheur River Basin (340-41-0201)</p> <p>Table 220A: Designated Beneficial Uses Mid Coast Basin (340-41-0220)</p> <p>Table 230A: Designated Beneficial Uses North Coast Basin (340-41-0230)</p> <p>Table 250A: Designated Beneficial Uses Owyhee Basin (340-41-0250)</p> <p>Table 250B: Beneficial Use Designations–Fish Uses Owyhee Basin, Oregon</p> <p>Table 260A: Designated Beneficial Uses Powder/Burnt Basin (340-41-0260)</p> <p>Table 271A: Designated Beneficial Uses Rogue Basin (340-41-0271)</p> <p>Table 286A: Designated Beneficial Uses Sandy Basin (340-41-0286)</p> <p>Table 300A: Designated Beneficial Uses South Coast Basin (340-41-0300)</p>	OR_EPA_AR_000156 - 000298

DOC NO.	DATE	DOCUMENT	Bate Numbers
Con't.		<p>Attachment: 6.3</p> <p>Figure 160B: Salmon and Steelhead Spawning Use Designations, Hood Basin, Oregon</p> <p>Figure 170A: Fish Use Designations, John Day Basin, Oregon</p> <p>Figure 170B: Salmon and Steelhead Spawning Use Designations, John Day Basin, Oregon</p> <p>Figure 180A: Fish Use Designations, Klamath Basin, Oregon</p> <p>Figure 201A: Fish Use Designations, Malheur River Basin, Oregon</p> <p>Figure 220A: Fish Use Designations, Mid Coast Basin, Oregon</p> <p>Figure 220B: Salmon and Steelhead Spawning Use Designations, Mid Coast Basin, Oregon</p> <p>Figure 230A: Fish Use Designations, North Coast Basin, Oregon</p> <p>Figure 230B: Salmon and Steelhead Use Designations, North Coast Basin, Oregon</p> <p>Figure 260A: Fish Use Designations, Powder Basin, Oregon</p> <p>Figure 271A: Fish Use Designations, Rogue Basin, Oregon</p> <p>Figure 271B: Salmon and Steelhead Spawning Use Designations, Rogue Basin, Oregon</p> <p>Figure 286A: Fish Use Designations, Sandy Basin, Oregon</p> <p>Figure 286B: Salmon and Steelhead Spawning Use Designations, Sandy Basin, Oregon</p> <p>Figure 300A: Fish Use Designations, South Coast Basin, Oregon</p> <p>Figure 300B: Salmon and Steelhead Spawning Use Designations, South Coast Basin, Oregon</p> <p>Figure 310A: Fish Use Designations, Umatilla Basin, Oregon</p> <p>Figure 310B: Salmon and Steelhead Spawning Use Designations, Umatilla Basin, Oregon</p> <p>Figure 320A: Fish Use Designations, Umpqua Basin, Oregon</p> <p>Figure 320B: Salmon and Steelhead Spawning Use Designations, Umpqua Basin, Oregon</p> <p>Figure 340A: Fish Use Designations, Willamette Basin, Oregon</p> <p>Figure 340B: Salmon and Steelhead Spawning Use Designations, Willamette Basin, Oregon</p>	
7	12/10/03	Letter to John Iani, EPA, from Larry Knudsen, Oregon Department of Justice, re: Certification of Water Quality Standard Amendment	OR_EPA_AR_000299 - 000300

DOC NO.	DATE	DOCUMENT	Bate Numbers
8	12/9/03	Secretary of State, Certificate and Order for Filing, Permanent Administrative Rules	OR_EPA_AR_000301
9	11/25/03	Memorandum to Environmental Quality Commission, from Stephanie Hallock, re: Additional Materials for Agenda Item D: Water Quality Standards, including Temperature Criteria	OR_EPA_AR_000302 - 000304

DOC NO.	DATE	DOCUMENT	Bate Numbers
10	11/13/03	<p>Memorandum to Environmental Quality Commission from Stephanie Hallock, Director, re: Agenda D, Rule Adoption: Water Quality Standards, including Temperature Criteria, OAR Chapter 340, Div. 41, 12/4/03</p> <p>Att. A1: DEQ Water Pollution Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon</p> <p>Att. A2: DEQ Water Pollution Division 41 State-wide Water Quality Plan; Beneficial Uses, Policies, Standards, and Treatment Criteria for Oregon</p> <p>Att. B: Division 41 Revisions, Response to Public Comments (November 10, 2003)</p> <p>Att. C1: Summary of DEQ's Water Quality Standards, Policy Advisory Committee Discussions on the Temperature Standard</p> <p>Att. C2: Summary of the Discussion and Findings of DEQ's Technical Advisory Committee on Water Quality Criteria for Temperature</p> <p>Att. D: Memorandum to Michael Llewelyn, Water Quality Administrator, from Mark Charles, Presiding Officer, re: Presiding Officer's Report for Public Hearing, Title of Proposal: Rulemaking Proposal—Adoption of OAR 340-041 State Water Quality Standards, Including Temperature Criteria, October 16, 2003</p> <p>Att. E: Relationship to Federal Requirements</p> <p>Att. F: DEQ Chapter 340, Proposed Rulemaking, Statement of Need and Fiscal and Economic Impact</p> <p>Att. G: State of ODEQ Rulemaking Proposal for Water Quality Standards—Temperature and Intergravel Dissolved Oxygen</p> <p>Att. H: Description of the Information and Methods Used to Delineate the Proposed Beneficial Fish Use Designations for Oregon's Water Quality Standards</p>	OR_EPA_AR_000305 - 000509

DOC NO.	DATE	DOCUMENT	Bate Numbers
I.C. Correspondence on Oregon's Revised Standards & Public Process			
11	3/2/04	Letter to Nina Bell, Executive Director, NWEA, re: Revised Oregon Water Quality Standards	OR_EPA_AR_000510 - 000511
12	3/1/04	Detailed Information on Public Process Activities for: April 2003 EPA Regional Temperature Guidance, EPA Proposed Federal Water Quality Standards for Oregon, 2003 Oregon Water Quality Standards Rulemaking	OR_EPA_AR_000512 - 000516
13	2/24/04	Letter to Randy Smith, Director, Office of Water, R10, from Olney Patt, Jr., Columbia River Inter-Tribal Fish Commission, re: Concern over the Review Process of Oregon's Water Quality Standards Att. A: Technical Comments and Concerns	OR_EPA_AR_000517 - 000524
14	2/10/04	Electronic letter to Randy Smith, Director, Office of Water, R10, and Michael Crouse, Assistant Regional Administrator, Habitat Conservation Division, National Marine Fisheries Service, from Melissa Powers, Stephanie Parent, Pacific Environmental Advocacy Center	OR_EPA_AR_000525 - 000529
15	12/18/03	Letter to Mr. James L. Connaughton, Chair, Council on Environmental Quality, from John Ledger, Associated Oregon Industry	OR_EPA_AR_000530
16	10/3/03	Letter to Ms. Smith, ODEQ, from Nina Bell, NWEA, re: Proposed Revision of Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon	OR_EPA_AR_000531 - 000673
17	10/3/03	Letter to Emily Smith, ODEQ, from Michael J. Farrow, Director, Confederated Tribe of the Umatilla Indian Reservation	OR_EPA_AR_000674 - 000677

DOC NO.	DATE	DOCUMENT	Bate Numbers
18	10/3/03	Letter to Michael Llewelyn, ODEQ, from Olney Patt, Jr., Columbia River Inter-Tribal Fish Commission, re: Comments on the Revision of Water Quality Criteria for Temperature (OAR Chapter 340, Division 041) Att. 1: Appendix A: Rule Amendments Made without Notice of Intended Action Att. 2: Appendix B: Technical Comments Att. 3: Appendix C: Proposal for Rectifying Some Problems with the ODEQ Standard Att. 4: Appendix D: Quotations from EPA Regional Guidance	OR_EPA_AR_000678 - 000711
19	10/3/03	Letter to Michael T. Llewelyn, ODEQ, from Randy Smith, EPA, re: Comments on Oregon's Proposed Revisions to OAR Division 41, Water Quality Standards: Beneficial Uses, Policies and Criteria for Oregon	OR_EPA_AR_000712 - 000719
20	10/2/03	Letter to Ms. Emily Smith, ODEQ, from Kemper M. McMaster, USFWS, Portland, OR	OR_EPA_AR_000720 - 000723
21	10/2/03	Letter to Mike Llewelyn, ODEQ, from Michael Tehan, Oregon State Director, Habitat Conservation Division, NOAA	OR_EPA_AR_000724 - 000736
22	8/7/03	Memorandum to Mark Charles and Mike Llewelyn, from Nina Bell, NWEA, re: Temperature Standards	OR_EPA_AR_000737 - 000742
23	8/1/03	Pacific Coast Federation of Fishermen's Associations (PCFFA) and Institute for Fisheries Resources (IFR) Comments to Draft #5 (July 28, 2003), ODEQ Water Pollution Division 41, Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon, Prepared by PCFFA and IFR for Oregon ODEQ Staff	OR_EPA_AR_000743 - 000762
24	7/16/03	Electronic letter to Mike Llewelyn, Administrator, Water Quality Division, ODEQ, from Nina Bell, NWEA,, re: 1999-2002 Triennial Review of Water Quality Standards: Re-write of Division 41 Rules, Temperature and Turbidity standards	OR_EPA_AR_000763 - 000766
24A	7/28/03	ODEQ's Draft #5 of Water Pollution Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon (with Nina Bell, NWEA, redline/strikeout comments)	OR_EPA_AR_000767 - 000779

DOC NO.	DATE	DOCUMENT	Bate Numbers
24B	7/21/03	ODEQ's Draft #4 of Water Pollution Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon (with Nina Bell, NWEA, redline/strikeout comments)	OR_EPA_AR_000780 - 000867
24C	6/20/03	Draft Oregon Temperature Criteria, June 20 Version (with Nina Bell, NWEA, redline/strikeout comments)	OR_EPA_AR_000868 - 000895
24D	12/23/03	Email from Mark Charles, ODEQ, to Mary Lou Soscia, EPA, and others re: Existing Natural Conditions	OR_EPA_AR_000896
24E	10/8/03	Draft summary of External Comments: Where and When - Data Quality BLM (one page)	OR_EPA_AR_000897
24F	10/8/03	Draft Summary of Where and When Comments (Fish Use Maps and Tables)	OR_EPA_AR_000898 - 000899
24G	8/03	Email from Nina Bell, NWEA, to Dru Keenan, EPA, re: Phrasing for Application for Temperature Criterion	OR_EPA_AR_000900 - 000903
24H	8/04/03	Email from Mark Charles, ODEQ, to Nina Bell, NWEA, re: Question	OR_EPA_AR_000904 - 000905
24I	7/22/03	Electronic Letter to Mike Llewellyn, Administrator, ODEQ, from Nina Bell, Director, NWEA, re: 1999 - 2002 Triennial Review of Water Quality Standards; Temperature Water Quality Standards (unsigned)	OR_EPA_AR_000906 - 000907
24J	7/22/03	Email from Mary Lou Soscia, EPA, to Paula Van Haagen, EPA, forwarding: Draft #4 of DEQ Water Pollution Division 41 Water Quality Standards, Beneficial Uses, Policies, and Criteria for Oregon	OR_EPA_AR_000908 - 001015
24K	7/21/03	Memo to Mark Charles, ODEQ, from Nina Bell, NWEA, re: Temperature Standards - July 14, 2003 Draft (5 th Set of Comments)	OR_EPA_AR_001016 - 001017
24L	6/25/03	Email to Mary Lou Soscia, EPA, and others, from John Palmer, EPA, re: Quick Feedback on OR Rule for Today's 9AM Call	OR_EPA_AR_001018 - 001019
24M	Undated	Email to Mark (Charles), ODEQ, from Jeff (Lockwood), NOAA, Subject: Alternative Language of Exemptions to the Antidegradation Requirement	OR_EPA_AR_001020
24N	Undated	Email to Mark (Charles), ODEQ, Subject: State's Variance Approval	OR_EPA_AR_001021

DOC NO.	DATE	DOCUMENT	Bate Numbers
24O	Undated	Email to Mark (Charles), ODEQ, from Paula (Van Haagen), EPA, Subject: Variance Provision in -0061	OR_EPA_AR_001022
24P	Undated	Email from Jeff Lockwood, NOAA, to Mark Charles, ODEQ, and others, Subject: Thermal Shock Provision	OR_EPA_AR_001023
I.D. Public Comments on EPA's Proposed Rule			
25	11/10/03	Email to Valerie Badon, EPA, from Gary Asbridge, Mt. Hood National Forest, re: Specific Comments on Draft Oregon Water Temperature Rule	OR_EPA_AR_001024 - 001026
26	11/10/03	Electronic letter to Valerie Badon, EPA, from Jeff J. Barry, Boise Cascade Corp., re: Boise Cascade Comments Regarding Proposed Change to Oregon Water Quality Standards Att. 1: Electronic letter to John Palmer, EPA, from William A. Dryden, Boise Cascade Corp, re: Review of Draft EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards (Second Public Review Draft Oct. 10, 2002)	OR_EPA_AR_001027 - 001033
27	11/10/03	Electronic letter to Michael Leavitt, Administrator, U.S. EPA, from Nina Bell, NWEA, on behalf of 74 organizations nationwide re: EPA Promulgation of Oregon Water Quality Standards	OR_EPA_AR_001034 - 001042
28	11/10/03	Electronic letter to Valerie Badon, EPA, from Nina Bell, Executive Director, NWEA,, re: Proposed Part 131 - Oregon Water Quality Standards, 40 CFR 131.39, 68 Fed. Reg. 58758 (Oct. 10, 2003)	OR_EPA_AR_001043 - 001145
29	11/10/03	Letter to Valerie Badon, EPA, from Rick Eichstaedt, Staff Attorney, Nez Perce Tribal Executive Committee, re: Docket No. OW-2003-0068	OR_EPA_AR_001146 - 001150
30	11/10/03	Letter to Valerie Badon, EPA, from Katie Fast, Associate Director of Government Affairs, Oregon Farm Bureau Federation, re: Water Quality Standards for Oregon	OR_EPA_AR_001151 - 001152
31	11/10/03	Electronic letter to Valerie Badon, EPA, from Janet Gillaspie, Executive Director, Oregon Association of Clean Water Agencies, re: Comments on Draft Water Quality Standards for Oregon 40 CFR Part 131	OR_EPA_AR_001153 - 001158

DOC NO.	DATE	DOCUMENT	Bate Numbers
32	11/10/03	Letter to Valerie Badon, EPA, from Allen C. Shewy, Kennedy/Jenks Consultants on behalf of the City of Hermiston, re: Comments on Draft Water Quality Standards for Oregon 40 CFR Part 131 Docket ID No. OW-2003-0068	OR_EPA_AR_001159 - 001160
33	11/10/03	Electronic letter to Valerie Badon, EPA, from Gayle Killam, re: EPA's Draft Rules for Oregon, 40 CFR 131.39	OR_EPA_AR_001161 - 001164
34	11/10/03	Electronic letter to Valerie Badon, EPA, from Jeff Light, Plum Creek Timber Company, re: Review of EPA's Water Quality Standards for Oregon Att. 1: Letter to Emily Smith, ODEQ, from Jeff Light, Plum Creek Timber Company, re: Plum Creek's Comments on ODEQ's Proposed Changes to Oregon's Water Quality Standard (10/3/03)	OR_EPA_AR_001165 - 001169
35	11/10/03	Letter to Valerie Badon, EPA, from Robert Ramig, Mayor, City of Pendleton, re: Comments on Draft Water Quality Standards for Oregon 40 CFR Part 131, Docket No. OW-2003-0068	OR_EPA_AR_001170 - 001171
36	11/10/03	Letter to Valerie Badon, EPA, from John P. Sample, Senior Counsel, Hydro Licensing, re: Comments on the Proposed Water Quality Standards for Oregon Att. 1: Memo re: Waiver Request for North Fork Diversion Dam, Prospect 1, 2, and 4, and Hydroelectric Project–Net Benefit Analysis Att. 2: North Umpqua Hydroelectric Project Evaluation Report and Finding	OR_EPA_AR_001172 - 001186
37	11/10/03	Email to Valerie Badon, EPA, from David Bailey for Thompson Creek Mining Company, re: Comments of Thompson Creek Mining Company to the Proposed Water Quality Standards (Temperature) for Oregon for the Protection of Salmonids	OR_EPA_AR_001187 - 001189
38	11/10/03	Letter to Valerie Badon, EPA, from William C. Tiffany, Senior Staff Associate, League of Oregon Cities, re: Comments Regarding Agency's Draft Water Quality Standards for Oregon 40 CFR Part 131	OR_EPA_AR_001190 - 001191
39	11/10/03	Letter to Valerie Badon, EPA, from Richard Wallace, Manager, Water Quality Program, re: WDOE Comments on Draft Water Quality Standards for Oregon	OR_EPA_AR_001192 - 001196

DOC NO.	DATE	DOCUMENT	Bate Numbers
40	11/7/03	Letter to Valerie Badon, EPA, from J. William McDonald, Regional Director, U.S. Dept. of Interior, re: Comments on Proposed Rule, Water Quality Standards for Oregon	OR_EPA_AR_001197 - 001198
41	11/7/03	Letter to Valerie Badon, EPA, from Karen M. Skiles, City of the Dalles, Dept. of Public Works, re: Draft Water Quality Standards for Oregon 40 CFR Part 131	OR_EPA_AR_001199
42	11/7/03	Letter to John Iani, EPA, from Olney Patt, Jr. Columbia River Inter-Tribal Fish Commission, re: Comments on EPA's Proposed Rule for Water Quality Standards in the State of Oregon (EPA Oregon Rule) Att. A: Comments on the Revision of Water Quality Criteria for Temperature (10/3/03) Att. B: Staff Technical Comments	OR_EPA_AR_001200 - 001263
43	11/7/03	Email to Valerie Badon, EPA, from Ivars Steinblums, Mt. Hood National Forest, re: Specific Comments on Draft EPA Water Temperature Rule	OR_EPA_AR_001264 - 001265
44	11/7/03	Electronic letter to Valerie Badon, EPA, from Rosemary Menard, Director, Portland Water Bureau, re: Proposed Rule on Water Quality Standards for Oregon, 40 CFR Part 131	OR_EPA_AR_001266 - 001267
45	11/7/03	Letter to Valerie Badon, EPA, from Frank Tiwari, City of Woodburn, OR, re: City of Woodburn's Comments on Draft Water Quality Standards for Oregon Att. 1: Pudding River Water Quality Report, TMDL Program, Aug. 1993	OR_EPA_AR_001268 - 001306
46	11/6/03	Letter to Valerie Badon, EPA, from Keith Hanson, Vice Chair, Water Quality Committee, Utility Water Act Group, re: Comments of the Utility Water Act Group on Proposed Federal Water Quality Standards for Oregon 68 Fed. Reg. 58,757 (October 10, 2003)	OR_EPA_AR_001307 - 001310
47	11/5/03	Electronic letter to Valerie Badon, EPA, from Pat Larson, Science and Natural Resource Advisor, and Susan Hammond, Water Committee Chair, Oregon Cattlemen's Association, re: Oregon Cattlemen's Association Comments re: Water Quality Standards for Oregon	OR_EPA_AR_001311 - 001324

DOC NO.	DATE	DOCUMENT	Bate Numbers
48	11/5/03	<p>Letter to Valerie Badon, EPA, from Llewellyn Matthews, Executive Director, Northwest Pulp and Paper Association, re: Comments Regarding EPA 10 Proposed Water Quality Rules for the State of Oregon</p> <p>Att. 1: Northwest Pulp and Paper Association Comments on EPA 10 Proposed Water Quality Standards for the State of Oregon, Amending Federal Regulations to Add 40 CFR 131.39</p>	OR_EPA_AR_001325 - 001369
49	11/5/03	Letter to Valerie Badon, EPA, from Michael J. McCann, Eugene Water and Electric Board, re: Comments on Proposed 40 CFR Part 131, Establishing Water Quality Standards for Oregon	OR_EPA_AR_001370 - 001373

DOC NO.	DATE	DOCUMENT	Bate Numbers
50	11/5/03	<p>Letter to Valerie Badon, EPA, from Paul Wiegand, Regional Manager, National Council for Air and Stream Improvement, Inc. (NCASI), re: Comments on Proposed Water Quality Standards for Oregon</p> <p>Att. 1: Assessment of the Potential for Warm Effluent from Pulp and Paper Mills to Harm Temperature Sensitive Salmonids, Prepared by Paul Wiegand and Brad Upton (2/21/02)</p> <p>Att. 2: Effect of Thermal Shock on Vulnerability of Juvenile Salmonids to Predation, Prepared by Charles C. Coutant</p> <p>Att. 3: Memo to Lleyllen Matthew (NWPPA), Cathy Feole (NWPPA), and Paul Wiegand (NCASI)</p> <p>Att. 4: Electronic Tags and Related Tracking Techniques Aid in Study of Migrating Salmon and Steelhead Trout in the Columbia River Basin, by Gerald E. Monan, James H. Johnson, and Gordon F. Esterberg</p> <p>Att. 5: Evaluating Laboratory-Derived Thermal Criteria in the Field: An Example Involving Bonneville Cutthroat Trout, by Amy J. Schrank, Frank J. Rahel, and Helene C. Johnstone</p> <p>Att. 6: Letter to John Palmer, EPA, from Llewellyn Matthews, Executive Director (unsigned), re: Comments on the Draft EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, October 2001)</p>	OR_EPA_AR_001374 - 001506
51	10/31/03	<p>Letter to Valerie Badon, EPA, from Dr. George Ice, National Council for Air and Stream Improvement, Inc (NCASI). re: Comments Directed at Proposed Water Quality Standards for Oregon</p> <p>Att. 1: Abstract: Use of Natural Temperature Patterns to Identify Achievable Stream Temperature Criteria for Forest Streams</p> <p>Att. 2: Letter to Emily Smith, ODEQ, from Dr. George Ice, NCASI (10/3/03)</p>	OR_EPA_AR_001507 - 001546
52	10/24/03	Transcript: EPA Public Hearing, Proposed Federal Water Quality Standards for Oregon	OR_EPA_AR_001547 - 001552

DOC NO.	DATE	DOCUMENT	Bate Numbers
53	10/23/03	Transcript: EPA Public Hearing, Proposed Federal Water Quality Standards for Oregon	OR_EPA_AR_001553 - 001567
54	10/22/03	Transcript: EPA Public Hearing, Proposed Federal Water Quality Standards for Oregon	OR_EPA_AR_001568 - 001604
I.E. ESA and EFH Consultation on EPA's Approval of Oregon's Revised Standards			
55	3/04	Data Quality Assurance Report: Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation, prepared for EPA by Tetra Tech, Inc.	OR_EPA_AR_001605 - 001645
56	2/25/04	Letter to Randall F. Smith, EPA, from Kemper M. McMaster, USFWS, re: Transmittal of Fish and Wildlife Service Biological Opinion on the Effects of the Proposed Approval by the U.S. EPA of Revised Oregon Water Quality Standards Att. 1: Fish and Wildlife Service Biological Opinion for EPA's Proposed Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation, February 24, 2004	OR_EPA_AR_001646 - 001747
57	2/24/04	Letter to Michael Tehan, NMFS, from Randall F. Smith, R10, re: Response to Essential Fish Habitat (EFH) Conservation Recommendations Provided by the NMFS as part of the Biological Opinion on EPA's Approval of Revised Water Quality Standards for Oregon	OR_EPA_AR_001748
58	2/23/04	Letter to Randall F. Smith, EPA, from D. Robert Lohn, NMFS, re: Biological Opinion on EPA's Proposed Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods Att. 1: Endangered Species Act - Section 7 Consultation Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation	OR_EPA_AR_001749 - 001825

DOC NO.	DATE	DOCUMENT	Bate Numbers
59	2/20/04	Email from Elizabeth Materna, USFWS, to Kellie Kubena, EPA Att. 1: Mt. Hood Revised Draft Recovery Plan	OR_EPA_AR_001826 - 001870
60	2/18/04	Email from Elizabeth Materna, USFWS, to Kellie Kubena, EPA, re: Bull Trout in the McKenzie Att. 1: Bull Trout Population Monitoring in the McKenzie and Middle Fork Willamette Rivers, Annual Progress Report, 2002, prepared by Jason Seals, Kelly Reis, U.S. Dept. of Energy, Portland, Oregon	OR_EPA_AR_001871 - 001899
61	2/18/04	Email from Elizabeth Materna, USFWS, to Kellie Kubena, EPA, re: Upper McKenzie Redd Survey Att. 1: Upper McKenzie Redd Count Bull Trout and Chinook 7 October 2003	OR_EPA_AR_001900 - 001901
62	2/18/04	Email from Elizabeth Materna, USFWS, to Kellie Kubena, EPA, re: McKenzie Bull Trout Redd Counts 2003 Att. 1: Counts for Bull Trout Redds in the McKenzie 89-03	OR_EPA_AR_001902 - 001904
63	2/10/04	Letter to Randall F. Smith, Director, Water Division, EPA, from D. Robert Lohn, Regional Administrator, NMFS, re: Draft Biological Opinion on EPA's Proposed Approval of Revised Oregon Water Quality Standard for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods	OR_EPA_AR_001905 - 001906
64	2/4/04	Letter to Michael Tehan, NMFS, and Kemper McMaster, USFWS, from Randall Smith, EPA, re: Transmittal of Biological Evaluation of the Revised Oregon Water Quality Standards Att. 1: Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation, Amended Final, prepared for USFWS and NMFS by EPA, Region 10	OR_EPA_AR_001907 - 002182

DOC NO.	DATE	DOCUMENT	Bate Numbers
65	1/30/04	Letter to Michael Tehan, NMFS, from Randall Smith, EPA, re: Transmittal of Essential Fish Habitat Assessment of EPA's Approval of Oregon Water Quality Standards Att. 1: Essential Fish Habitat Assessment of U.S. EPA's Approval of Oregon Water Quality Standards, Prepared for NMFS by EPA Region 10	OR_EPA_AR_002183 - 002202
66	1/20/04	Email from Debra Sturdevant, ODEQ, re: comment on BA - disease, to Dru Keenan, John Palmer, EPA	OR_EPA_AR_002203
67	1/13/04	Email between Dru Keenan, EPA, and Elizabeth Materna, USFWS, re: Modoc Sucker	OR_EPA_AR_002204 - 002206
68	1/9/04	Letter to Michael Tehan, NMFS, and Kemper McMaster, USFWS, from Randall Smith, re: Transmittal of 12/16/03 Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Att. 1: Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation prepared for USFWS and NMFS by EPA, Region 10 December 16, 2003	OR_EPA_AR_002207 - 002378
69	8/29/03	Letter to Mr. Steve G. Ellis, Tetra-Tech, Inc., EPA Contractor, from Michael P. Tehan, NMFS, re: Species List for Consultation on Water Quality Standards for State of Oregon	OR_EPA_AR_002379 - 002382
70	7/23/03	Letter to Mary Lou Soscia, EPA, from Kemper M. McMaster, USFWS, re: Federal Water Quality Standards Project	OR_EPA_AR_002383 - 002393
71	4/31/99	Final Report: Stream Temperature Criteria for Oregon's Lahontan Cutthroat Trout, <i>Oncorhynchus clarki henshawi</i> , by Jason Dunham, University of Nevada	OR_EPA_AR_002394 - 002436
72	1/95	USFWS, Region 1, Recovery Plan for the Lahontan Cutthroat Trout	OR_EPA_AR_002437 - 002446

DOC NO.	DATE	DOCUMENT	Bate Numbers
73	6/11/85	Federal Register/Vol 50, No. 112/Tuesday, June 11, 1985/ Rules and Regulations, Department of the Interior, Fish and Wildlife Service, 50 CFR Part 17, Endangered and Threatened Wildlife and Plants; Determination of Endangered Status and Critical Habitat for the Modoc Sucker, page 24526	OR_EPA_AR_002447 - 002452
74	Undated	US Dept Commerce, NOAA, NWFSC, Tech memo-27: Status Review of West Coast Steelhead	OR_EPA_AR_002453 - 002458
74A	Undated	Proposed Conservation Measures	OR_EPA_AR_002459 - 002460
74B	Undated	EPA Issues for Oregon letter	OR_EPA_AR_002461
74C	2/20/04	Email from Dru Keenan, EPA, to Robert Lohn, NMFS, and others, re: Further Extension on Final BiOp from NOAA-Fisheries	OR_EPA_AR_002462
74D	2/13/04	Email from Randy Smith, EPA, to Bob Lohn, NMFS, re: Revised Date for NOAA-F Biological Opinion	OR_EPA_AR_002463
74E	1/29/04	Email from Jeff Lockwood, NOAA, to Mark Charles, ODEQ, and others, re: DEQ Temperature Letter No. 2	OR_EPA_AR_002464
II. EPA PROPOSED RULE AND PREAMBLE			
75	10/10/03	Environmental Protection Agency Proposed Rule and Preamble: Water Quality Standards for Oregon, 40 CFR Part 131	OR_EPA_AR_002465 - 002498

DOC NO.	DATE	DOCUMENT	Bate Numbers
76	10/2003	<p>Salmonid Designation Use Maps:</p> <p>Att. 1: Salmonid Use Designations, Deschutes Basin, Oregon</p> <p>Att. 2: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Deschutes Basin, Oregon</p> <p>Att. 3: Salmonid Use Designations, Grande Ronde Basin, Oregon</p> <p>Att. 4: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Grande Ronde Basin, Oregon</p> <p>Att. 5: Salmonid Use Designations, Hood Basin, Oregon</p> <p>Att. 6: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Hood Basin, Oregon</p> <p>Att. 7: Salmonid Use Designations, John Day Basin, Oregon</p> <p>Att. 8: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, John Day Basin, Oregon</p> <p>Att. 9: Salmonid Use Designations, Klamath Basin, Oregon</p> <p>Att. 10: Salmonid Use Designations, Mid-Coast Basin, Oregon</p> <p>Att. 11: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Mid-Coast Basin, Oregon</p> <p>Att. 12: Salmonid Use Designations, North Coast Basin, Oregon</p> <p>Att. 13: Salmon & Steelhead Spawning through Fry Emergence Use Designations, North Coast Basin, Oregon</p> <p>Att. 14: Salmonid Use Designations, Powder and Malheur Basins,</p>	OR_EPA_AR_ 002499 - 002525

DOC NO.	DATE	DOCUMENT	Bate Numbers
cont'd.	10/2003	<p>Att. 16: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Rogue Basin, Oregon</p> <p>Att. 17: Salmonid Use Designations, Sandy Basin, Oregon</p> <p>Att. 18: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Sandy Basin, Oregon</p> <p>Att. 19: Salmonid Use Designations, South Coast Basin, Oregon</p> <p>Att. 20: Salmon & Steelhead Spawning Through Fry Emergence Use Designations, South Coast Basin, Oregon</p> <p>Att. 21: Salmonid Use Designations, Umatilla/Walla Walla Basin, Oregon</p> <p>Att. 22: Salmon, Steelhead & Bull Trout Spawning Through Fry Emergence Use Designations, Umatilla/Walla Walla Basin, Oregon</p> <p>Att. 23: Salmonid Use Designations, Umpqua Basin, Oregon</p> <p>Att. 24: Salmon & Steelhead Spawning Through Fry Emergence Use Designations, Umpqua Basin, Oregon</p> <p>Att. 25: Salmonid Use Designations, Willamette Basin, Oregon</p> <p>Att. 26: Salmon, Steelhead & Bull Trout Spawning Through Fry Emergence Use Designations, Willamette Basin, Oregon</p>	
77	10/2003	EPA Fact Sheet: Oregon Water Quality Standards	OR_EPA_AR_002526 - 002528
77A	10/10/03	Email from Mary Lou Soscia, EPA, to John Iani, EPA, and others, re: Federal Oregon Water Quality Standards Proposed Today October 10, 2003 - (attached 10/9/03 fact sheet at #77 A.R.)	OR_EPA_AR_002529 - 002532
III. GENERAL BACKGROUND DOCUMENTS			

DOC NO.	DATE	DOCUMENT	Bate Numbers
78	9/29/03	Letter to Michael Llewelyn, ODEQ, September 29, 2003, re: Disapproval Decision	OR_EPA_AR_002533 - 002538
79	9/5/03	Letter to Randall Smith, EPA, from Michael Llewelyn, ODEQ, re: Spawning in Columbia River	OR_EPA_AR_002539 - 002540
80	8/13/03	<i>Northwest Environmental Advocates v. EPA & NMFS</i> , Final Judgment, August 13, 2003	OR_EPA_AR_002541 - 002545
81	7/14/03	<i>Northwest Environmental Advocates v. EPA & NMFS</i> , Opinion and Order, July 14, 2003. re: Motion for Further Injunctive Relief	OR_EPA_AR_002546 - 002563
82	6/11/03	<i>Northwest Environmental Advocates v. EPA & NMFS</i> , Opinion and Order, June 11, 2003. re: Motion for Clarification	OR_EPA_AR_002564 - 002573
83	3/31/03	<i>Northwest Environmental Advocates v. EPA & NMFS</i> , 268 F.Supp.2d 1255 (D. Or., Mar. 31, 2003). Re: Summary Judgment	OR_EPA_AR_002574 - 002607
84	11/00	U.S. EPA, Ambient Aquatic Life Water Quality Criteria for Dissolved Oxygen (Saltwater): Cape Cod to Cape Hatteras, Office of Water, Office of Science and Technology and Office of Research and Development, National Health and Environmental Effects Research Laboratory EPA-822 R- 00-012	OR_EPA_AR_002608 - 002662
85	7/22/99	Letter to Michael Llewelyn, ODEQ, from Randall Smith, EPA, July 22, 1999, re: EPA Approval of Oregon Water Quality Standards Adopted on January 11, 1996	OR_EPA_AR_002663 - 002671
86	7/21/99	Memorandum to Randy Smith, EPA, from Dru Keenan, EPA, re: Recommended Action	OR_EPA_AR_002672 - 002700
87	7/7/98	Federal Register/Tuesday, July 17, 1998, Water Quality Standards Regulation; Proposed Rule, 40 CFR Part 131	OR_EPA_AR_002701 - 002767
88	2/19/98	Letter to Gary R. Mitchell, Kansas Department of Health and Environment, from U. Gale Hutton, EPA, February 19, 1998, re: Kansas Water Quality Standards Att.1: Enclosure A, National Toxics Rule Criteria	OR_EPA_AR_002768 - 002783

DOC NO.	DATE	DOCUMENT	Bate Numbers
89	11/5/97	Memorandum to Water Management Division Directors, Regions 1-10, and State and Tribal Water Quality Management Program Directors, from Tudor T. Davies, Office of Science and Technology, re: Establishing Site Specific Aquatic Life Criteria Equal to Natural Background	OR_EPA_AR_002784 - 002786
90	6/95	ODEQ 1992-1994 Water Quality Standards Review, Dissolved Oxygen Final Issue Paper	OR_EPA_AR_002787 - 002952
91	8/94	U.S. EPA Water Quality Standards Handbook, EPA-823-B94005a Att.1: Appendixes, EPA-823-B94005b. 1994	OR_EPA_AR_002953 - 003837
92	11/8/93	U.S. EPA, 1983, 48 Federal Register, pgs. 51400, 51411	OR_EPA_AR_003838 - 003852
93	3/91	U.S. Environmental Protection Agency, Technical Support Document for Water Quality-based Toxics Control, EPA 505/2-90-001	OR_EPA_AR_003853 - 003856
94	1986	U.S. EPA Quality Criteria for Water, EPA 440/5-86-001, 1986, Temperature Section	OR_EPA_AR_003857 - 003877
95	1972	Water Quality Criteria 1972 A Report of the Committee on Water Quality Criteria, Environmental Studies Board, National Academy of Sciences. U.S. Environmental Protection Agency. EPA.R3.73, pg. i-xvii &151-171	OR_EPA_AR_003878 - 003899
IV. FEDERAL and STATE USE DESIGNATIONS AND TEMPERATURE CRITERIA			
Time and Place Designations-Technical References			
96	10/03	A Salmon Anchor Habitat Strategy for the Tillamook and Clatsop State Forests, October 2000	OR_EPA_AR_003900 - 003916
97	9/25/03	Email from Elizabeth Materna, USFWS, to EPA, September 25, 2003. re: Bull Trout Spawning Criteria	OR_EPA_AR_003917 - 003919
98 disc	9/16/03	Oregon Department of Fish and Wildlife Database for Fish Distribution, compact disc	OR_EPA_AR_003920 - 013156

DOC NO.	DATE	DOCUMENT	Bate Numbers
99	7/03	ODEQ Bull Trout Habitat Designation Report: Technical Work Group Recommendations, Final (July 2003)	OR_EPA_AR_013157 - 013206
100	11/29/02	Dept. of the Interior, Proposed Designation of Critical Habitat for the Klamath River and Columbia River Distinct Population Segments of Bull Trout and Notice of Availability of the Draft Recovery Plan <i>Spawning and Juvenile Rearing</i> , 67 Fed. Reg. 71236, November 29, 2002	OR_EPA_AR_013207 - 013410
101	2/26/02	Oregon Department of Fish and Wildlife, 1:24K Fish Habitat Distribution Development Project Procedures Manual	OR_EPA_AR_013411 - 013451
102	3/01	Ecotrust Salmon Restoration Program, Method and Justification for Whole-basin Snorkel Counts, Charles Dewberry, March 2001	OR_EPA_AR_013452 - 013461
102A	no date	Brief Description of Field Technique; Conducting a Whole-basin Snorkel Count	OR_EPA_AR_013462
102B	7/03	DRAFT: Development and Application of Anchor Habitat Approaches to Salmon Conservation: A Synthesis of Data and Observations from the Siuslaw Watershed, Coastal Oregon. T.C. Dewberry, Ph.D. Restoration Ecologist, Ecotrust July 2003	OR_EPA_AR_013463 - 013481
103	9/93	Rieman, B. E. and McIntyre, J. D. 1993. Demographic and Habitat Requirements for Conservation of Bull Trout, Ogden, UT, U.S. Department of Agriculture, Forest Service, Intermountain Research Station	OR_EPA_AR_013482 - 013522
Temperature Guidance and References			
104	4/03	U.S. EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, April 2003, EPA 910-B-03-002	OR_EPA_AR_013523 - 013576
105	1/03	Simpson, Manette. 2003. Temperature Study in the John Day River Basin for 2001, Final	OR_EPA_AR_013577 - 013695
106	2003	Ebersole, Joseph L., Liss, William J., and Frissell, Christopher A. 2003. Thermal Heterogeneity, Stream Channel Morphology, and Salmonid Abundance in Northeastern Oregon Streams, Canadian Journal of Fisheries & Aquatic Science, Vol. 60. 2003	OR_EPA_AR_013696 - 013710

DOC NO.	DATE	DOCUMENT	Bate Numbers
107	12/02	Washington Department of Ecology (WDOE). December 2002. Evaluating Standards for Protecting Aquatic Life in Washington's Surface Water Quality Standards, Temperature Criteria, Draft Discussion Paper and Literature Summary	OR_EPA_AR_013711 - 013891
108	9/19/02	Myrick, Christopher A., et al. Sept. 19, 2002. Bull Trout Temperature Thresholds Peer Review Summary	OR_EPA_AR_013892 - 013906
109	7/9/02	U.S. EPA Proposed Recommendations, July 9, 2002	OR_EPA_AR_013907 - 013909
110	7/3/02	U.S. EPA Bull Trout Peer Review Questions, July 3, 2002	OR_EPA_AR_013910 - 013912
111	2002	Chapman, D. W. 2002. Review of Proposed Regional Temperature Criteria, Report to Idaho Department of Environmental Quality, Contract Number C165, BioAnalysts, Inc.	OR_EPA_AR_013913 - 013962
112	2002	Idaho Department of Environmental Quality (IDEQ). 2002. Dissenting Opinion on Biological Threshold Numbers Proposed by Regional Temperature Criteria Development Technical Workgroup	OR_EPA_AR_013963 - 013986
113	2002	Johnson, L. Sherri, et al. Dec. 3, 2002. Summary of Scientific Peer Review Discussion Concerning US EPA Region 10 Guidance for Stream Temperature Water Quality Standards	OR_EPA_AR_013987 - 013996
114	2000	ODEQ. 2000. Upper Grande Ronde River Sub-basin, TMDL	OR_EPA_AR_013997 - 014259
115	2002	McCullough, D. and Spaulding, S. June 27, 2002. Multiple Lines of Evidence for Determining Upper Optimal Temperature Thresholds for Bull Trout	OR_EPA_AR_014260 - 014284
116	11/30/01	Dunham, J., Rieman, B., and Chandler, G. 2001. Development of Field-based Models of Suitable Thermal Regimes for Interior Columbia Basin Salmonids, Interagency Agreement #00-IA-11222014-521, Final Report to EPA Region 10	OR_EPA_AR_014285 - 014364
117	0/01	U.S. EPA Issue Paper 3: Spatial and Temporal Patterns of Stream Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project, EPA-910-D-01-003, Oct. 2001	OR_EPA_AR_014365 - 014397

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118	8/21/01	Snyder, Eric B. and Stanford, Jack A., 2001. Review and Synthesis of River Ecological Studies in the Yakima River, Washington, with Emphasis on Flow and Salmon Habitat Interactions, Final Report	OR_EPA_AR_014398 - 014525
119	8/01	U.S. EPA Technical Synthesis: Scientific Issues Relating to Temperature Criteria for Salmon, Trout, and Char Native to the Pacific Northwest: A Summary Report Submitted to the Policy Workgroup of the EPA Region 10 Water Temperature Criteria Guidance Project, EPA-910-D-01-007	OR_EPA_AR_014526 - 014549
120	6/01	Bauer, Stephen B. and Ralph, Stephen C. 2001. Strengthening the Use of Aquatic Habitat Indicators in Clean Water Act Programs, Fisheries Vol. 26, no. 6	OR_EPA_AR_014550 - 014560
121	5/01	U.S. EPA Issue Paper 1: Salmonid Behavior and Water Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project, EPA-910-D-01-001, May 2001	OR_EPA_AR_014561 - 014598
122	5/01	U.S. EPA Issue Paper 2: Salmonids Distribution and Temperature, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project, EPA-910-D-01-002, May 2001	OR_EPA_AR_014599 - 014622
123	5/01	U.S. EPA Issue Paper 4: Temperature Interaction, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project, EPA-910-D-01-004, May 2001	OR_EPA_AR_014623 - 014658
124	5/01	U.S. EPA Issue Paper 5: Summary of Technical Literature Examining the Physiological Effects of Temperature on Salmonids, Prepared as Part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project, EPA-910-D-01-005, May 2001	OR_EPA_AR_014659 - 014778
125	2001	Haas, R. Gordon. 2001. The Mediated Associations and Preferences of Native Bull Trout and Rainbow Trout with Respect to Maximum Water Temperature, Its Measurement Standards, and Habitat	OR_EPA_AR_014779 - 014781
126	2001	Selong, J. H., McMahon, T.E., Zale, A. V., and Barrows, F. T. 2001. Effect of Temperature on Growth and Survival of Bull Trout, with Application of an Improved Method for Determining Thermal Tolerance in Fishes. Transactions of the American Fisheries Society, 130:1026-1037	OR_EPA_AR_014782 - 014794

DOC NO.	DATE	DOCUMENT	Bate Numbers
127	2001	Welsh, H. Hartwell, et al. 2001. Distribution of Juvenile Coho Salmon in Relation to Water Temperatures in Tributaries of the Mattole River, California, North American Journal of Fisheries Management 21:464-470, 2001	OR_EPA_AR_014795 - 014801
128	2001	Ebersole, J.L., Liss, W.J., and Frissell, C.A. 2001. Relationship between Stream Temperature, Thermal Refugia and Rainbow Trout <i>Oncorhynchus mykiss</i> Abundance in Arid-land Streams in the Northwestern United States, Ecology of Freshwater Fish. 2001	OR_EPA_AR_014802 - 014811
129	2001	Poole, Geoffrey C. and Berman, Cara H. 2001. An Ecological Perspective on In-Stream Temperature: Natural Heat Dynamics and Mechanisms of Human-Caused Thermal Degradation, Environmental Management Vol. 27, No. 6, pp787-802	OR_EPA_AR_014812 - 014827
130	2000	Bartholow, J. M. 2000. Estimating Cumulative Effects of Clearcutting on Stream Temperatures, from Journal Rivers 7(4):284-297	OR_EPA_AR_014828 - 014846
131	2000	Independent Scientific Group. 2000. Return to the River 2000: Restoration of Salmonid Fishes in the Columbia River Ecosystem, Chapters 1, 3, 5, 7, NWPPC 2000-12, Northwest Power Planning Council, Portland, OR	OR_EPA_AR_014847 - 015026
132	2000	Sullivan, K., Martin, D. J., Cardwell, R.D., Tolls, J. E., and Duke, S. 2000. An Analysis of the Effects of Temperature on Salmonids of the Pacific Northwest with Implications for Selecting Temperature Criteria Sustainable Ecosystems Institute, Portland, OR	OR_EPA_AR_015027 - 015217
133	2000	Washington Department of Fish and Wildlife and Point No Point Treaty Tribes. 2000. Summer Chum Salmon Conservation Initiative, An Implementation Plan to Recover Summer Chum in the Hood Canal and Strait of Juan de Fuca Region	OR_EPA_AR_015218 - 015298
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135	1999	Coutant, C. Charles. 1999. Perspectives on Temperature in the Pacific Northwest's Fresh Waters, prepared for the EPA, Region 10, Oak Ridge National Laboratory, ORNL/TM-1999/44	OR_EPA_AR_015342 - 015460
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137	1999	Torgersen, Christian E., Price, David M. 1999. Multiscale Thermal Refugia and Stream Habitat Associations of Chinook Salmon in Northeastern Oregon	OR_EPA_AR_015752 - 015770
138	6/98	NMFS. 1998. Factors Contributing to the Decline of Chinook Salmon: An Addendum to the 1996 West Coast Steelhead Factors for Decline Report. Protected Resources Division, Portland, Oregon	OR_EPA_AR_015771 - 015844
139	1997	Lee, D.C., Sedell, J. R., Rieman, B.E., Thurow, R.F., Williams, J. E. 1997. BROADSCALE ASSESSMENT OF AQUATIC SPECIES AND HABITATS. Pp. 1058-1496. In: T. M. Quigley and S. J. Arbelbide, eds. An Assessment of Ecosystem Components in the Interior Columbia Basin and Portions of the Klamath and Great Basins, U.S. Forest Service General Technical Report PNW-GTW-405, Portland, OR	OR_EPA_AR_015845 - 016282
140	1997	Myers, J. M., et al., West Coast Chinook Salmon Biological Review Team, 1997, Status Review of Chinook Salmon from Washington, Oregon, California and Idaho under the U.S. Endangered Species Act, U.S. Dept. of Commerce, NOAA Tech. Memo, NMFS-NWFSC-35	OR_EPA_AR_016283 - 016762
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V. Intergravel Dissolved Oxygen			
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VI. Antidegradation Implementation Plan			
172	2003	Proposed Rule for ODEQ, Water Pollution, Division 41, Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon, August, 2003	OR_EPA_AR_018882 - 018969
173	11/14/02	Federal Register: Proposed Rule for Kentucky, 67 FR 68,971 (Nov. 14, 2002)	OR_EPA_AR_018970 - 018983
174	3/01	State of Oregon: Antidegradation Policy Implementation Internal Management Directive for NPDES Permits and Section 401 Water Quality Certifications, March 2001	OR_EPA_AR_018984 - 019060
175	2001	<i>American Wildlands v. Browner</i> , 260 F.3d 1192, 1198 (10 th Cir. 2001)	OR_EPA_AR_019061 - 019067
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177	1993	Federal Register: Water Quality Guidance for the Great Lakes System and Correction; Proposed Rules (GLI) 58 FR 20802, April 16, 1993	OR_EPA_AR_019108 - 019355
178	8/85	Questions and Answers on Antidegradation, Aug. 1985; Appendix A to Chapter 2 - General Program Guidance (antidegradation) of the Water Quality Standards Handbook, Dec. 1983	OR_EPA_AR_019356 - 019370
179	1976	<i>Appalachian Power Company v. Train</i> , 545 F.2d 1351, 1373 (4 th Cir. 1976)	OR_EPA_AR_019371 - 019406
180	undated	Supplementary Information Document for the Final Great Lakes Guidance, Chapter VII at 203-225, 207-210	OR_EPA_AR_019407 - 019430
II. Alternative Regulatory Approaches and Implementation Mechanisms			
Heat Load and Thermal Plume Provisions			

DOC NO.	DATE	DOCUMENT	Bate Numbers
181	4/03	Mebane, Christopher and Essig, Don. Idaho Department of Environmental Quality, Concepts and Recommendations for Using the "Natural Condition" Provisions of the Idaho Water Quality Standards, Measurable Changes Section, pp. 14-18, April 2003	OR_EPA_AR_019431 - 019437
182	7/99	Water Quality Monitoring Technical Guide Book, Oregon Plan for Salmon and Watersheds, July 1999	OR_EPA_AR_019438 - 019524
183	5/91	Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska, EPA/910/9-91-001, May 1991	OR_EPA_AR_019525 - 019703
184	7/21/03	Memorandum to Water Division Directors, Reg. 1 -10, from Diane Regas, Office of Wetlands, Oceans, and Watersheds, re: Guidance for 2004 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d) and 305(b) of the Clean Water Act; TMDL-01-03	OR_EPA_AR_019704 - 019745
185	4/91	Guidance for Water Quality-Based Decisions: The TMDL Process, EPA 440-4-91-001, April 1991	OR_EPA_AR_019746 - 019810
VIII. Tribal Consultation			
Guidance and Correspondence			
186	8/28/03	Letter to Dean Adams, Chair, Burns Paiute Tribe General Council, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019811 - 019812
187	8/28/03	Letter to Fred Auch, Chair, Shoshone-Bannock Tribes of Fort Hall, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019813 - 019814
188	8/28/03	Letter to Ronald Brainard, Chair, Confederated Tribes of Coos, Lower Umpqua and Suislaw, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019815 - 019816
189	8/28/03	Letter to Gary Burke, Chair, Confederated Tribes of the Umatilla Indian Reservation, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019817 - 019819

DOC NO.	DATE	DOCUMENT	Bate Numbers
190	8/28/03	Letter to Allan Foreman, Chair, The Klamath Tribe, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019820 - 019821
191	8/28/03	Letter to Anthony D. Johnson, Chair, Nez Perce Tribe of Idaho, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019822 - 019823
192	8/28/03	Letter to Cheryle Kennedy, Chair, Confederated Tribes of the Grand Ronde, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019824 - 019825
193	8/28/03	Letter to Edward Metcalf, Chair, Coquille Indian Tribe, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019826 - 019827
194	8/28/03	Letter to Olney Patt, Jr., Chair, Confederated Tribes of Warm Springs, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019828 - 019830
195	8/28/03	Letter to Delores Pigsley, Chair, Siletz Tribal Council, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019831 - 019832
196	8/28/03	Letter to Sue Shaffer, Chair, Cow Creek Band of Umpqua Indians, from L. John Iani, Region 10 RA, re: Coordination and Consultation on Water Quality in Oregon	OR_EPA_AR_019833 - 019834
197	8/28/03	Letter to Ross Sockzehigh, Chair, Yakima Indian Nation, from L. John Iani, Region 10, RA, re: Coordination and Consultation on Oregon Federal Water Quality Standards, August 28, 2003	OR_EPA_AR_019835 - 019836
198	7/16/01	U.S. EPA, Region 10, Tribal Consultation Framework, July 16, 2001	OR_EPA_AR_019837 - 019838
IX. Temperature Guidance and References – Additional Documents			

DOC NO.	DATE	DOCUMENT	Bate Numbers
199	4/2003	EPA Region 10 Temperature Guidance, Overview, April 2003, Slide Presentation (pagination added)	OR_EPA_AR_019839 - 019852
200	2/2004	Poole, Geoffrey C., Dunham, Jason B., Keenan, Druscilla M., et al. February 2004. The Case for Regime-based Water Quality Standards <u>54</u> , No.2, Bioscience	OR_EPA_AR_019853 - 019859
X. State Use Designations and Temperature Criteria – Additional Documents			
201	5/27/03	Life Stage Timing Criteria, Definitions, and Questions. Oregon Department of Fish and Wildlife	OR_EPA_AR_019860 - 019864
202	5/27/03	Fish Habitat Distribution Development Project, Primary Data Products - Description and Major Attributes. Natural Resources Information Management Program, Oregon Department of Fish and Wildlife	OR_EPA_AR_019865 - 019868
203	9/10/03	Email from Elizabeth Materna, USFWS, to Dru Keenan, EPA, re: Spawning Times in the Pine River Basin	OR_EPA_AR_019869
204	12/15/03	Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, and Elizabeth Materna, USFWS, re: Lahontan Cutthroat	OR_EPA_AR_019870
205	2/2/04	Email from Mary Lou Soscia, EPA, to John Palmer, EPA, re: Columbia River Spawning	OR_EPA_AR_019871 - 019876
206	2/2/04	Email from Mary Lou Soscia, EPA, to John Palmer, EPA, re: Chum Spawning in the Columbia	OR_EPA_AR_019877 - 019878
207	2/2/04	Email from Mary Lou Soscia, EPA, to Adrienne Allen, EPA, and others, re: OR Standard Team Weekly Call with Agenda	OR_EPA_AR_019879 - 019880
208	1/2/04	Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, re: Seasonal Variation	OR_EPA_AR_019881

DOC NO.	DATE	DOCUMENT	Bate Numbers
209	1/13/04	Email from Mary Lou Soscia, EPA, to Adrienne Allen, EPA, re: OR Standard Team Weekly Call with Agenda	OR_EPA_AR_019882
210	1/20/04	Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, John Palmer, EPA, re: EPA Final Report	OR_EPA_AR_019883 - 019884
211	12/19/03	Email from Dru Keenan, EPA, re: Additional References	OR_EPA_AR_019885 - 019886
212	12/17/03	Email from Dru Keenan, EPA, to Elizabeth Materna, USFWS, and others re: Oregon Clarification Letter	OR_EPA_AR_019887
213	12/16/03	Email from Elizabeth Materna, USFWS, to John Palmer, EPA, and others, re: Oregon Clarification Letter; 12/15/03 Draft Conservation Measures, attached	OR_EPA_AR_019888 - 019891
214	12/4/03	Email from Dru Keenan, EPA, to Elizabeth Materna, USFWS, re: Decision Rules	OR_EPA_AR_019892 - 019894
215	11/20/03	Email from Dru Keenan, EPA, to Elizabeth Materna, USFWS, re: What I have So Far (on Bull Trout)	OR_EPA_AR_019895 - 019897
216	11/03	Email amongst Dru Keenan, EPA, Jeff Lockwood, NOAA, Debra Sturdevant, ODEQ, re: Protection of Cold Water Narrative	OR_EPA_AR_019898 - 019899
217	11/05/03	Email from Dru Keenan, EPA, to Debra Sturdevant, ODEQ, and others, re: Conference Call for Map Issues	OR_EPA_AR_019900
218	11/03	Email amongst Jeff Lockwood, NOAA, Dru Keenan, EPA, Debra Sturdevant, ODEQ, Elizabeth Materna, USFWS, and others, re: Map Issues	OR_EPA_AR_019901 - 019902
219	11/3/03	Draft Map: Critical Period Fish Use Designations Mid Coast Basin, Oregon	OR_EPA_AR_019903
220	11/3/03	Email from Elizabeth Materna, USFWS, to Dru Keenan, EPA, and others re: Key Unresolved (Map) Issues	OR_EPA_AR_019904
221	1/3/03	Email from Debra Sturdevant, ODEQ, to Jeff Lockwood, NOAA, and others, re: Key Unresolved (Map) Issues	OR_EPA_AR_019905
222	11/3/03	Email from Jeff Lockwood, NOAA, to Debra Sturdevant, ODEQ, and others, re: Citation (for Salmon on Oregon Coast)	OR_EPA_AR_019906

DOC NO.	DATE	DOCUMENT	Bate Numbers
223	11/3/03	Email from Debra Sturdevant, ODEQ, to Robert Anderson, NOAA, and others, re: Ecotrust Data	OR_EPA_AR_019907
224	10/31/03	Email from Dru Keenan, EPA, to John Palmer, EPA, and others, re: Notes from 10/28 - Key Unresolved Issues; Draft Meeting Notes 10/28/03, attached	OR_EPA_AR_019908 - 019909
225	10/28/03	Agenda for Where and When Team Meeting, re: Finalization of Where and When Maps; Draft Temperature Graphs; Draft Summary of Comments on Fish Use Maps (Oct, 2003), attached	OR_EPA_AR_019910 - 019917
226	10/27/03	Email from Dru Keenan, EPA, to Debra Sturdevant, ODEQ, and others, re: Final Notes from 10/14 Where & When Meeting	OR_EPA_AR_019918 - 019920
227	10/24/03	Email from Chris Mebane, NOAA, to Jeff Lockwood, NOAA, and others, re: Fall Chinook Spawning/Incub Temperature Designation	OR_EPA_AR_019921 - 019922
228	10/8/03	Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, re: Where and When Meeting with Draft Agenda 10/14/03, attached	OR_EPA_AR_019923 - 019924
229	9/9/03	Memo to File from Dru Keenan, EPA, re: Spawning Dates for Bull Trout Located on Spawning Grounds Below Reservoirs	OR_EPA_AR_019925
230	8/03	Email amongst Elizabeth Materna, USFWS, Debra Sturdevant, ODEQ, Tracy Harrison, ODEQ, re: Bull Trout Temperature Designation	OR_EPA_AR_019926 - 019928
231	8/11/03	Email from Don Essig, ODEQ, to Mary Lou Soscia, EPA, and others, re: A Comparison of Existing Standards (Idaho and Oregon)	OR_EPA_AR_019929 - 019930
232	8/7/03	Email from Bill Bogue, EPA, to Chris Mebane, NOAA, Debra Sturdevant, ODEQ, Dru .Keenan, EPA, Elizabeth Materna, USFWS, re: All of the Draft Spawning Maps for EPA Basins; Map of Deschutes Basin, attached	OR_EPA_AR_019931 - 019932
233	8/6/03	Email from John Palmer, EPA, to Dru Keenan, EPA, and others, re: Final Draft of Where/When Decision Rules 8/6/03 (attached)	OR_EPA_AR_019933 - 019936
234	8/6/03	Emails amongst Elizabeth Materna, USFWS, Debra Sturdevant, ODEQ, and Dru Keenan, EPA, re: Bull Trout Spawning Below Dams	OR_EPA_AR_019937 - 019941

DOC NO.	DATE	DOCUMENT	Bate Numbers
235	8/5/03	Final Draft of Decision Rules to Designate Pacific Salmon and Bull Trout Beneficial Uses in Oregon	OR_EPA_AR_019942 - 019943
236	8/5/03	Email from Jeff Lockwood, NOAA, to Tracy Harrison, ODEQ, and others, re: Willamette Run Timing	OR_EPA_AR_019944 - 019945
237	8/5/03	Table: Status of Data Collection for EPA Uses and Criteria	OR_EPA_AR_019946
238	8/1/03	Email from Debra Sturdevant, ODEQ, to Chris Mebane, NOAA, and others, re: Title and Legends for Draft Maps	OR_EPA_AR_019947
239	7/31/03	Final Draft of Decisions Rule to Designate Salmonid and Bull Trout Beneficial Uses Using ODFW Distribution Maps and Data, ODEQ Bull Trout Report, USFWS Draft Critical Habitat Designation	OR_EPA_AR_019948 - 019950
240	7/03	Email amongst Debra Sturdevant, ODEQ, Chris Mebane, NOAA, William Bogue, EPA, John Palmer, EPA, Dru Keenan, EPA, Robert Anderson, NOAA, Jeff Lockwood, NOAA, Rick Kepler, ODFW, Elizabeth Materna, USFWS, re: Mapping Decisions	OR_EPA_AR_019951 - 019954
241	7/31/03	Email from Debra Sturdevant, ODEQ, to Chris Mebane, NOAA, and others, re: Resident Species	OR_EPA_AR_019955 - 019956
242	7/30/03	Meeting notes from Where and When Conference Call	OR_EPA_AR_019957 - 019958
243	7/29/03	Email from Mary Lou Soscia, EPA, to others, re: OR Standard Promulgation Team Conference Call with Agenda	OR_EPA_AR_019959 - 019960
244	7/28/03	Decision Rules for Mapping Salmonid Uses, Revision	OR_EPA_AR_019961 - 019962
245	7/25/03	Email from Debra Sturdevant, ODEQ, to John Palmer, EPA, and others, re: New Spawning Proposal	OR_EPA_AR_019963 - 019965
246	7/25/03	Email from Cedric Cooney, ODFW, to Bill Bogue, EPA, Chris Mebane, NOAA, Debra Sturdevant, ODEQ, Dru Keenan, EPA, re: Response to Questions from the July 15-16 Where/When Meeting, Responses and Questions, attached	OR_EPA_AR_019966 - 019971

DOC NO.	DATE	DOCUMENT	Bate Numbers
247	7/25/03	Email from Debra Sturdevant, ODEQ, to Bill Bogue, EPA, John Palmer, EPA, and others, re: Bull Trout Proposal	OR_EPA_AR_019972 - 019973
248	7/23/03	Email from John Palmer, EPA, to Chris Mebane, NOAA, and others, re: New Spawning Proposal	OR_EPA_AR_019974 - 019975
249	7/22/03	Email from Bill Bogue, EPA, to Debra Sturdevant, ODEQ, and others , re: Deschutes Bull Trout Summer Max (with 2 Deschutes maps attached)	OR_EPA_AR_019976 - 019978
250	7/22/03	Email from Debra Sturdevant, ODEQ, to Bill Bogue, EPA, and others, re: Bull Trout Spawning Mapping & Assigning Values to Diversions	OR_EPA_AR_019979 - 019981
251	7/22/03	Email from Bill Bogue, EPA, to Debra Sturdevant, ODEQ, and others, re: Draft Results for Umatilla/Walla Walla with New Bull Trout Data	OR_EPA_AR_019982
252	7/22/03	Email from Debra Sturdevant, ODEQ, to John Palmer, EPA, and Dru Keenan, EPA, re: More Summer Max	OR_EPA_AR_019983
253	7/22/03	Email from Debra Sturdevant, ODEQ, to John Palmer, EPA, and others, re: Map Titles/Legends	OR_EPA_AR_019984
254	7/22/03	Email from Chris Mebane, NOAA, to Debra Sturdevant, ODEQ, and others, re: Bull Trout Files with John Day Map, attached	OR_EPA_AR_019985 - 019987
255	7/22/03	Fax from Mary Lou Soscia, EPA, to John Palmer, EPA, Dru Keenan, EPA, Jeff Lockwood, NOAA, Elizabeth Materna, USFWS, Mark Morris, EPA, forwarding "Summary of Historic Temperature Conditions in the Willamette River," by Stuart W. McKenzie, July 2003	OR_EPA_AR_019988 - 020010
256	7/21/03	Email from Emily Smith, ODEQ, to Chris Mebane, NOAA, and others, re: Bull Trout Files.	OR_EPA_AR_020011
257	7/21/03	Email from Bill Bogue, EPA, to Chris Mebane, NOAA, and others, re: John Day and Rogue Maps (4 attached maps for Rogue and John Day Basin)	OR_EPA_AR_020012 - 020016
258	7/21/03	Email from Tracy Harrison, ODEQ, to Dru Keenan, EPA, and others, re: North Coast Spawning Map Version 3	OR_EPA_AR_020017

DOC NO.	DATE	DOCUMENT	Bate Numbers
259	7/17/03	Email from Tracy Harrison, ODEQ, to Dru Keenan, EPA, and others, re: Sandy and North Coast Spawning Maps Version 2	OR_EPA_AR_020018
260	7/16/03	Email from Mary Lou Soscia, EPA, to others, re: OR Standard Promulgation Weekly Conference Call with Agenda	OR_EPA_AR_020019 - 020021
261	7/14/03	Oregon Water Quality Standard Promulgation Schedule Update #6	OR_EPA_AR_020022 - 020024
262	7/8/03	Email from Mary Lou Soscia, EPA, re: OR Standard Promulgation Weekly Conference Call with Agenda; July 2003 Promulgation Schedule, attached	OR_EPA_AR_020025 - 020030
263	7/8/03	Oregon Proposed Temperature Rule Work Session Agenda	OR_EPA_AR_020031
264	7/1/03	Email from Mary Lou Soscia, EPA, to others, re: OR Standard Promulgation Team Weekly Conference Call with Agenda; July 2003 Promulgation Schedule, attached	OR_EPA_AR_020032 - 020036
265	7/03	Where and When Workgroup Meeting Notes/Decision for July 15 and 16	OR_EPA_AR_020037 - 020039
266	7/11/03	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, and Chris Mebane, NOAA, re: Decision Rules Justifications/Assumptions to Date; Decision Rule Assumptions, attached	OR_EPA_AR_020040 - 020041 (including OR_EPA_AR_020040.01)
267	7/10/03	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, and others, re: Meeting of the Where & When Team July 15 & 16 with Agenda	OR_EPA_AR_020042
268	7/2/03	Email from Elizabeth Materna, USFWS, to Dru Keenan, EPA, and John Palmer, EPA, Debra Sturdevant, ODEQ, re: Bull Trout Spawning Below Reservoirs	OR_EPA_AR_020043
269	6/30/03	Draft Outline for Biological Assessment (BA)	OR_EPA_AR_020044 - OR_EPA_AR_020044.01
270	6/27/03	Decision Rules for Mapping Salmonid Uses, Revision	OR_EPA_AR_020045 - 020046
271	6/27/03	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, and others, re: Revised Decision Rules with 6/27/03 Draft Rules, attached	OR_EPA_AR_020047 - 020049
272	6/26/03	Revised Decision Rules for Mapping Salmonid Uses	OR_EPA_AR_020050 - 020051

DOC NO.	DATE	DOCUMENT	Bate Numbers
273	6/26/03	Email from Debra Sturdevant, ODEQ, to John Palmer, EPA, and others, re: Indicator for Core Rearing Waters	OR_EPA_AR_020052 - 020053
274	6/25/03	Proposed Decision Rules (Revised Draft by Jeff Lockwood, NOAA)	OR_EPA_AR_020054 - 020055
275	6/20/03	Preliminary Decision and Remaining Issues for Oregon WQS Promulgation Working Draft	OR_EPA_AR_020056 - 020058
276	6/20/03	Preliminary Umpqua River Sub Basin Stream Temperature Criteria Designation	OR_EPA_AR_020059 - 020060
277	6/19/03	Email from John Palmer, EPA, to Cedric Cooney , ODFW, and others, re: John Day Table with 6/19/03 Table, attached	OR_EPA_AR_020061 - 020063
278	6/19/03	Email from Dru Keenan, EPA, to John Palmer, EPA, re: Revised Decision Rules for Where & When	OR_EPA_AR_020064 - 020065
279	6/19/03	Decision Rules for Mapping Salmonid Uses	OR_EPA_AR_020066 - 020067
280	6/18/03	Email from Elizabeth Materna, USFWS, re: Bull Trout Below Dams	OR_EPA_AR_020068 - 020070
281	6/18/03	Email from Debra Sturdevant, ODEQ, to Dru Keenan, EPA, re: Decision Rules Comments	OR_EPA_AR_020071
282	6/18/03	Proposed Decision Rules (revised)	OR_EPA_AR_020072 - 020074
283	6/18/03	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, and others, re: Revised Decision Rules for Where and When with Proposed Decision Rules, attached	OR_EPA_AR_020075 - 020078
284	6/17/03	John Day Beneficial Use Table	OR_EPA_AR_020079 - 020080
285	6/13/03	Email from Dru Keenan, EPA, to Cedric Cooney, ODFW, and others, re: Meeting Notes with June 12, 2003 Meeting Notes, attached	OR_EPA_AR_020081 - 020085
286	6/10/03	Agenda for Where and When Meeting June 10 & 11, 2003, with attached Umpqua Basin Map, Tillamook Bay June 2001 graph, and Grand Ronde Basin Table	OR_EPA_AR_020086 - 020090
287	5/03	Where and When Workgroup Notes from May 27 & 28 th Meeting	OR_EPA_AR_020091 - 020092
288	5/30/03	Umpqua R - Scottsburg and above - Anadromous Species Charts	OR_EPA_AR_020093 - 020094

DOC NO.	DATE	DOCUMENT	Bate Numbers
289	5/30/03	Umpqua Bay and Smith Estuary - Anadromous Species Chart	OR_EPA_AR_020095
290	5/30/03	North Umpqua River below Soda Springs Dam - Anadromous Species Charts	OR_EPA_AR_020096 - 020097
291	5/27/03	Email from Mary Lou Soscia, EPA, to others, re: OR Standard Promulgation Team Weekly Conference Call with Agenda	OR_EPA_AR_020098 - 020099
292	5/27/03	Life Stage Timing Criteria, Definitions & Questions (from ODFW)	OR_EPA_AR_020100 - 020104
293	5/21/03	Email from John Palmer, EPA, to Jeff Lockwood, NOAA, and others, re: Agenda for Where/When Meeting 5/27-28 with attachments: 1) 5/27 & 5/28 Draft Agenda 2) Options/Recommendation for OR WQS Revision 5/13/03 3) Trail Map for Use Designations-5/16/03 4) Life Stage Distribution & Timing charts - Draft 5/19/03	OR_EPA_AR_020105 - 020120
294	5/15/03	Email from Mary Lou Soscia, EPA, to others, re: OR Standard Promulgation Team Weekly Conference Call with Agenda	OR_EPA_AR_020121 - 020123
295	5/9/03	Oregon Standard Promulgation Update	OR_EPA_AR_020124
296	5/6/03	Options/Recommendations for Oregon Temperature WQS Revisions to Meet the Court Order	OR_EPA_AR_020125 - 020131
297	5/6/03	Meeting with Oregon - "Oregon Standards 2004" with Agenda	OR_EPA_AR_020132 - 020134
298	Undated	References for Where and When Work with Description of References	OR_EPA_AR_020135 - 020138
299	Undated	Email between Ed Backus and Jeff Lockwood, NOAA, re: Fish Counts and Field Techniques	OR_EPA_AR_020139
300	Undated	Email between Jeff Lockwood, NOAA, and others, re: Fish Use in the Lower Willamette	OR_EPA_AR_020140
301	Undated	Email from Debra Sturdevant, ODEQ, to others, re: Spawning Dates in the TMDL	OR_EPA_AR_020141
302	Undated	Email from NOAA - Fisheries, re: spawning dates	OR_EPA_AR_020142

DOC NO.	DATE	DOCUMENT	Bate Numbers
303	Undated	Email from Elizabeth (Materna), USFWS, to John (Palmer), EPA, re: Whether a Separate Spawning Criteria for Bull Trout is Necessary	OR_EPA_AR_020143
304	Undated	Email regarding references to Tables and Figures in Oregon Rules	OR_EPA_AR_020144
305	Undated	Umatilla/Walla Walla Basin Mapping Notes on Summer Max	OR_EPA_AR_020145 - 020148
306	Undated	Email between Dru (Keenan), EPA, and Elizabeth (Materna), USFWS, re: Spawning Time in the Pine River System	OR_EPA_AR_020149
307	Undated	Email to Dru (Keenan), EPA, re: References for Critical Habitat	OR_EPA_AR_020150
308	Undated	Email between Dru (Keenan), EPA, and Debra (Sturdevant), ODEQ, re: Lahontan Cutthroat Trout Habitat	OR_EPA_AR_020151
309	Undated	Email from Cedric Cooney, ODFW, to others, re: Spreadsheets with 'Lines of Evidence'; Spreadsheets, attached	OR_EPA_AR_020152 - 020170
310	Undated	Email between Jeff (Lockwood), NOAA, and Debra Sturdevant, ODEQ, re: Rearing Delineations	OR_EPA_AR_020171 - 020172
311	8/02	Email from Joe Ebersole, EPA, to Jeff (Lockwood), NOAA; re: Thermal Diversity	OR_EPA_AR_020173
312	12/14/01	Arscott, David B., Tockner, Klement, Ward, J.V. Thermal Heterogeneity along a Braided Floodplain River (Tagliamento River, Northeastern Italy)	OR_EPA_AR_020174 - 020188
313	7/15/01	Dunham, J.B. and Chandler, G.L. Models to Predict Suitable Habitat for Juvenile Bull Trout in Washington State, Final Report	OR_EPA_AR_020189 - 020238
314	no date	Ebersole, Joseph L., Liss, William J., Frissell, Christopher A. Coldwater Patches in Warm Streams: Physicochemical Characteristics and the Influence of Shading	OR_EPA_AR_020239 - 020282
314a	7/14/03	3 rd Draft: DEQ Water Pollution, Division 41, Beneficial Uses, Policies, Standards, and Treatment Criteria for Oregon	OR_EPA_AR_020283 - 020318
314b	2/10/04	Email from Kellie Kubena, EPA, to Marylou Soscia, EPA, Elizabeth Materna, USFWS et. al, re: Bull trout spawning below dams	OR_EPA_AR_020319

DOC NO.	DATE	DOCUMENT	Bate Numbers
314c	9/11/03	Draft BA for EPA's Promulgation WQ Standards for Oregon with comments by Elizabeth Materna, USFWS	OR_EPA_AR_020320 - 020321
314d	10/6/03	Final Draft BA, with comments by Elizabeth Materna, USFWS	OR_EPA_AR_020322 - 020324
314e	11/3/03	Draft Final: Analysis of Effects with 12/16/03 - 12/18/03 comments	OR_EPA_AR_020325 - 020370
314f	7/30/03	Email to Elizabeth Materna, USFWS, et al, from Dru Keenan, EPA, re: Spawning Rules Version II	OR_EPA_AR_020371 - 020372
314g	8/12/03	Draft outline for Proposed Preamble	OR_EPA_AR_020373-020374
314h	8/18/03	Draft Biological Assessment with handwritten notes	OR_EPA_AR_020375 - 020390
314i	8/19/03	Email between staff re: draft effects analysis of chinook salmon	OR_EPA_AR_020391 - 020392
314j	10/17/03	Email to Elizabeth Materna, et al, from Dru Keenan re: Comments on 10/6/03 Draft of BA	OR_EPA_AR_020393 - 020397
314k	10/21/03	Email to Elizabeth Materna, et al, from Dru Keenan re: Notes for Conference call on BA for OR Proposed Rule	OR_EPA_AR_020398 - 020399
314L	11/17/03	Notes from conference call re: OR's draft Temperature Standard and ESA Items	OR_EPA_AR_020400 - 020401
314m	12/19/03	Email to Jeff Lockwood, et al, from Dru Keenan, re: Completion of BA of OR's Temperature Standard	OR_EPA_AR_020402
Documents Underlying the Development of the Temperature Guidance			
1999			
315	4/14/99	Water Quality Standard for Temperature Diagrams (3)	OR_EPA_AR_020403 - 020405
316	6/21/99	Draft: EPA Regional Temperature Criteria Development	OR_EPA_AR_020406 - 020416
317	9/1/99	Letter to Gary Passmore, Colville Confederated Tribes, from James Werntz, EPA, re: EPA Regional Temperature Criteria Development Project	OR_EPA_AR_020417

318	9/3/99	Letter to Chris Gannon, Water and Soil, from James Werntz, EPA, re: EPA Regional Temperature Criteria Development Project	OR_EPA_AR_020418
319	9/10/99	Letter to Paul Lumley, CRITFC, from James Werntz, EPA, re: EPA Regional Temperature Criteria Development Project	OR_EPA_AR_020419
320	9/9/99	Draft Agenda for Joint Meeting of the Policy Work Group and Technical Work Group Regional Temperature Criteria Development Project	OR_EPA_AR_020420
321	10/6/99	Draft Agenda for Joint Meeting of the Policy Work Group and Technical Work Group Regional Temperature Criteria Development Project	OR_EPA_AR_020421
322	10/18/99	Article for Water Talk: Water Quality Standard for Temperature to Protect Salmon by Dru Keenan, EPA	OR_EPA_AR_020422
323	10/21/99	Proposed Agenda for Technical Workgroup Meeting for NMFS Attachments Att. 1: Regional Temperature Criteria Development Project Handouts Att. 2: Meeting notes from Temperature Criteria Development Project Technical Workgroup Meeting Att. 3: Handwritten notes of Initial Meeting of Regional Temperature Criteria Development Project Att. 4: Meeting notes from Temperature Criteria Development Project Policy Workgroup	OR_EPA_AR_020423 - 020450
324	10/26/99	Email train to Dru Keenan, EPA and Geoffrey Poole, EPA, from Mike McIntyre, DEQ, and Cheryl Flood, DEQ, re: Literature from Dr. McCullough	OR_EPA_AR_020451
325	11/23/99	Document from Nez Perce Tribe re: Issue regarding their interest in the Regional Temperature Criteria Development Project	OR_EPA_AR_020452
326	11/24/99	Letter to Randall Smith, EPA, from Kris Holm, Association of Washington Business, re: Proposed R10 Stream Temperature Criteria-Technical and Policy Workgroups	OR_EPA_AR_020453 - 020455

327	11/30/99	Agenda for Temperature Criteria Development Project, Technical Workgroup Attachments Att. 1: Goal Statements Att. 2: Timeline for Regional Temperature Criteria Development Project Att. 3: Endangered Species Act Status of West Coast Salmonids Att. 4: Idaho, Oregon, and Washington map (2) Att. 5: Summary of Preliminary Draft Temperature Criteria Recommendations for the State of Washington Att. 6: Idaho Water Quality Temperature Standard/Criteria Att. 7: Memo to Technical Workgroup members from Jeff Lockwood, NOAA, re: Copy of Presentation from 11/30/99 meeting Att. 8: USFWS Findings in the Biological Opinion: May Affect Calls Att. 9: Draft Outline for Development of Draft "Issue Papers" Att. 10: Meeting Notes and Action Items	OR_EPA_AR_020456 - 020491
2000			
328	1/5/00	Email to Mike McIntyre, DEQ, John McMillan, and Shelley Spalding, FWS, cc: Dru Keenan, EPA, from Jeffrey Lockwood, NOAA, re: Draft outline for "Distribution" issue paper	OR_EPA_AR_020492 - 020493
329	1/6/00	Email to Dru Keenan, EPA, and Geoffrey Poole, EPA, from Debra Sturdevant, DEQ re: Issue papers	OR_EPA_AR_020494
330	1/7/00	Email to Dru Keenan, EPA, cc: Marcia Lagerloef, EPA, from Mark (mhic) ECY, WA, re: Issue papers suggestions	OR_EPA_AR_020495 - 020496
331	1/7/00	Email to Geoffrey Poole, EPA, cc: Dru Keenan, EPA, Cara Berman, EPA, Lisa Macchio, EPA, Don Martin, EPA, from Dale McCullough, CRITFC, re: Regional Temperature	OR_EPA_AR_020497 - 020501
332	1/7/00	Email to Dru Keenan, EPA, cc: Elizabeth Materna, FWS, Susan Burch, FWS, Mike Donahoo, FWS, and Sally Sauter, USGS, from Rob Brassfield, FWS, re: Issue papers	OR_EPA_AR_020502
333	1/7/00	Email to Geoffrey Poole, EPA, Dru Keenan, EPA, and Jim Petersen, USGS, from Sally Sauter, USGS, re: Issue papers	OR_EPA_AR_020503

334	1/11/00	Email to Dru Keenan, EPA, from Jeffrey Lockwood, NOAA re: Issue papers	OR_EPA_AR_020504
335	1/20/00	Email to Dru Keenan, EPA, et al, from Rob Brassfield, re: discussion of Issue Papers	OR_EPA_AR_020505 - 020510
336	2/3/00	Agenda: Conference Call with State Water Directors, Temperature Criteria Development Project	OR_EPA_AR_020511
337	2000	EPA Bulletin: Developing Pacific Northwest Water Quality Temperature Criteria Guidance	OR_EPA_AR_020512 - 020514
338	2/3/00	Agenda: Temperature Criteria Development Project, Technical Workgroup - Email to workgroup from Geoffrey Poole, EPA, re: Feb 3 rd Temperature Tech Meeting - Email to workgroup from Dru Keenan, EPA, re: Agenda for Feb 3 rd Meeting - Overarching themes listing - Diagram of the relationship among the 6 key issues by G. Poole - Draft: Summary outlines with handwritten notes - Meeting summary: Regional Temperature Project	OR_EPA_AR_020515 - 020525
339	2/8/00	Email to Geoffrey Poole, et al, from Mark re: Time of Conference Call	OR_EPA_AR_020526 - 020528
340	3/2/00	Email summary from Jason Dunham re: Development of Temperature criteria and handwritten notes	OR_EPA_AR_020529 - 020535
341	3/2/00	Timeline of the Regional Temperature Criteria Development Project	OR_EPA_AR_020536
342	3/4/00	Email to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Agenda for Policy Workgroup Mtg, Plus...	OR_EPA_AR_020537 - 020540

343	3/7/00	<p>Agenda: Temperature Criteria Development Project, Technical Workgroup and handwritten notes</p> <ul style="list-style-type: none"> -Technical Workgroup contact list as of 03/13/00 -Technical Workgroup contact list as of 03/13/00 with corrections -USGS Bulletin: Oregon District Active Projects re: water temp in small streams -Conditions for Success list -Temperature Technical Workgroup Meeting Brainstorm list -Draft: Outline of historic distribution Issue Paper -Draft: Issue Paper re: Temperature Interaction with Multiple Stressors -Patterns of Temperature fluctuation in the natural environment: relevance to water quality standards -Temperature Criteria Tech Workgroup Flipchart notes -Meeting Summary, Regional Temperature Project 	OR_EPA_AR_020541 - 020573
344	3/6/00	Draft List of Issues for Elevation to Policy Workgroup by Technical Workgroup	OR_EPA_AR_020574
345	3/8/00	<p>Agenda: Temperature Criteria Development Project Policy Workgroup</p> <ul style="list-style-type: none"> -Draft agenda: Temperature Criteria Development Project Policy Workgroup -Email to John Palmer, EPA, from Dru Keenan, EPA, re: Admin. Assistants for Policy Workgroup with handwritten notes -Policy Workgroup Members contact list -Email to workgroup from Randy Smith, EPA, re: March 8 Temperature Project Policy Meeting -Temperature Project Policy Meeting, outreach discussion -Temperature Policy Meeting policy document -Temperature Workgroup Outreach Discussion -Temperature Workgroup Outreach Discussion: Framework of Outreach Strategy -Letter to Kris Holm, Association of Washington Business, from Randy Smith, EPA, re: Background of NW Regional Temperature Criteria Development Project Att. 1: Letter from Kris Holm to Randy Smith re: Proposed R10 Stream Temperature Criteria -Draft: list of issues for elevation to policy workgroup 	OR_EPA_AR_020575 - 020597
346	3/13/00	Email to Dru Keenan, EPA, from John Risley, USGS, re: Temperature criteria business	OR_EPA_AR_020598 - 020599

347	3/24/00	Overarching Themes: Concerns, Fears, Challenges, Opportunities by Geoffrey Poole -EPA's Strategy for Addressing Concerns/Fears/Challenges	OR_EPA_AR_020600 - 020601
348	3/27/00	Letter to Kris Holm, Association of Washington Business, from Randall Smith, EPA, re: response to concerns	OR_EPA_AR_020602 - 020604
349	3/27/00	Email to Dru Keenan, EPA, from Shelley Spalding re: Potential contractors	OR_EPA_AR_020605
350	2/28/00	Email from R. Smith to Policy Workgroup re: Policy Workgroup Meeting	OR_EPA_AR_020606 - 020607
351	3/30/00	Agenda: Temperature Criteria Development Plan Attachments Att.1: Goal Clarification Discussion Att. 2: Meeting Summary	OR_EPA_AR_020608 - 020614
352	4/4/00	Agenda: Temperature Criteria Development Project Technical Workgroup with handwritten notes -Draft: graph chart of Steelhead and Chinook increases with handwritten notes -Draft Timeline: Temperature Criteria Development Project with handwritten notes -Draft: Public Notice with handwritten notes -Draft: Concerns and Action Plan handout with handwritten notes -Final Draft: Tech Workgroup Role and Process Agreement with handwritten notes -Flip chart notes from Technical Workgroup Meeting -Meeting Summary	OR_EPA_AR_020615 - 020636
353	4/14/00	Email to Dru Keenan, EPA, Geoffrey Poole, EPA, from Debra Sturdevant, DEQ, re: May meeting Attachment Att.1: Email train between Dru Keenan, EPA, Debra Sturdevant, DEQ, et al, re: Agenda for Two Days in May	OR_EPA_AR_020637 - 020638
354	4/17/00	Request for Information Notice by Dru Keenan.	OR_EPA_AR_020639 - 020641
355	4/17/00	EPA Fact Sheet: Developing Pacific NW Water Quality Temperature Criteria Guidance	OR_EPA_AR_020642 - 020643

356	4/20/00	Letter to James Petersen, USGS, from Randy Smith, EPA, re: EPA's Regional Temperature Criteria Guidance Project	OR_EPA_AR_020644 - 020645
357	4/27/00	Region 10 Temperature Criteria Guidance Development Project	OR_EPA_AR_020646
358	5/1/00	Email to Sally Sauter, USGS, from Dru Keenan, EPA, re: Letter of Support	OR_EPA_AR_020647
359	5/1/00	Email to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Draft Agenda for Review	OR_EPA_AR_020648
360	5/2/00	Email to Sherri Johnson, from Geoffrey Poole, EPA, re: Stream Temperature review - peer review panel	OR_EPA_AR_020649 - 020650
361	5/2/00	Email train between Dru Keenan, EPA, Debra Sturdevant, DEQ, et al, re: Draft Agenda for Review with handwritten notes	OR_EPA_AR_020651
362	5/3/00	Email to Sherri Johnson, Dru Keenan, EPA, from Geoffrey Poole, EPA, re: Stream Temperature Review-peer review panel	OR_EPA_AR_020652 - 020653
363	5/4/00	Narrative Description of the Tasks on the Timeline for Temperature Project	OR_EPA_AR_020654
364	5/9/00	Letter to Phil Roger, CRITFC, from Randall Smith, EPA , re: EPA's Regional Temperature Criteria Guidance Project Attachment Att. 1: Letter to Dennis Lynch, U.S. Geological Survey, from Randy Smith, EPA, re: EPA's Regional Temperature Criteria Guidance Project	OR_EPA_AR_020655 - 020659
365	5/10/00	Concerns and Actions Plan by Dru Keenan	OR_EPA_AR_020660 - 020661
366	5/10/00	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: Reminder	OR_EPA_AR_020662
367	5/15/00	Draft: Temperature Interaction Tech Summary -Behavioral Technical Summary -Temperature and Salmonid Distributions -Physiological Effects-Abstract and Introduction -Email to John Risley, USGS, from Geoffrey Poole, EPA, re: tech summary	OR_EPA_AR_020663 - 020831

368	5/19/00	Email to Dru Keenan, EPA, from Geoffrey Poole, EPA, re: Draft Ideal Characteristics Attachment Att. 1: Goal Statement and Technical Interpretation and Ideal Characteristics of a Temperature Criteria	OR_EPA_AR_020832 - 020834
369	5/23/00	Letter to David Mabe, IDEQ, from W. Greg Nelson, Idaho Farm Bureau Federation, re: request for public records	OR_EPA_AR_020835 - 020836
370	5/24/00	Email to Dru Keenan, EPA, from Jason Dunham, USFS , re: Draft Ideal Characteristics	OR_EPA_AR_020837 - 020838
371	5/25/00	Agenda: Temperature Criteria Development Project Tech Workgroup -Message to workgroup re: attached agenda and instructions -Email to workgroup from Dru Keenan, EPA, re: Draft Ideal Characteristics -Goal Statement and Tech Interpretation; Ideal Characteristics of a Temperature Criteria dates 05/19/00, edited with handwritten notes -Goal Statement and Tech Interpretation and Ideal Characteristics of a Temperature Criteria with handwritten notes -Goal Statement and Tech Interpretation and Ideal Characteristics of a Temperature Criteria from Jeff Lockwood -chart of Spring Chinook Temperature Requirements -chart of Combined Lethality Data for All Salmonid Species -Questions to Prompt Conversation on the Physiological Effects Draft -Flip Chart notes -Meeting Summary	OR_EPA_AR_020839 - 020858
372	6/2/00	Email from Dru Keenan, EPA, to Clinton Shock, Oregon State University (ORST), re: Water Temperature Standards	OR_EPA_AR_020859 - 020862
373	6/2/00	Email from Clinton Shock, ORST, to Dru Keenan, EPA, re: Feasibility of water quality standards	OR_EPA_AR_020863 - 020866

374	6/7/00	Agenda Regional Temperature Criteria Guidance Project Policy Workgroup Meeting -Email from Dru Keenan, EPA, to Workgroup, re: June 6 th Meeting and handwritten notes -handout: Physiological Effects Abstract and handwritten notes -handout: Ideal Characteristics and handwritten notes -Ideal Characteristics Handout -Ideal Characteristics Handout with handwritten notes -Goal Statement and Technical Interpretation & Ideal Characteristics (Jeff's) -Letter to David Mabe, IDEQ, from W. Greg Nelson, Idaho Farm Bureau Federation -Meeting Summary for 06/06/00 Attachment Att. 1: Goal Statement and Technical Interpretation	OR_EPA_AR_020867 - 020884
375	6/7/00	Email from Dale, CRITFC, to Dru Keenan, EPA re: yesterday's meeting	OR_EPA_AR_020885 - 020886
376	6/7/00	Draft: Agenda Regional Temperature Criteria Guidance Project Policy Workgroup Meeting with handwritten notes -Policy Workgroup handwritten notes	OR_EPA_AR_020887 - 020893
377	6/9/00	Memo to Sherri Johnson from Dru Keenan, EPA, re: Partial Responses to the notice for Request for Information on Temperature	OR_EPA_AR_020894
378	6/12/00	Summary: Bull Trout GIS Project	OR_EPA_AR_020895 - 020896
379	6/12/00	Information for Farm Bureau by Dru Keenan, EPA	OR_EPA_AR_020897 - 020898
380	6/13/00	Letter to Randy Smith, EPA, from James Petersen, USGS, re: availability of Sally Sauter for Regional Temperature Criteria Guidance project with handwritten notes	OR_EPA_AR_020899 - 020900
381	6/21/00	Goal Statement, Dale	OR_EPA_AR_020901 - 020903
382	6/22/00	Email to Dru Keenan, EPA, et al, from Elizabeth Materna, USFWS, re: Goal Statement and Technical Interpretation	OR_EPA_AR_020904 - 020909

383	6/27/00	Agenda for Regional Temperature Criteria Guidance Project Policy Workgroup Meeting -Northwest Temperature Criteria Guidance Development Project Timeline -Status Report for the Technical Workgroup with handwritten notes -Draft -Meeting Summary for 6/27/00 -Att. 1: Meeting Summary for 3/30/00 -Att. 2: Expected Outcomes of Project -Att. 4: Public Workshops and Example Agenda with handwritten notes	OR_EPA_AR_020910 - 020920
384	7/2000	Recommendations of the Governors of (Northwest Region) for the Protection and Restoration of Fish in the Columbia River Basin	OR_EPA_AR_020921 - 020939
385	7/6/00	Agenda: Temperature Criteria Development Project Technical Workgroup Meeting -Email from Sherri Johnson, ORST, to Dru Keenan, EPA, re: temperature peer review panel -Peer Review Panel for EPA R10 Stream Temperature Criteria -Technical Charge for Peer Review -Technical Information Submitted for Peer Review (table) with handwritten notes -Goal Statement and Technical Interpretation -Ideal Characteristics for Technical Meeting -Endorsed Ideal Characteristics -Agenda with hand ritten notes -Flip Chart Notes -Meeting Summary	OR_EPA_AR_020940 - 020963
386	7/7/00	Responses to EPA R10 request for information and studies relevant to Temperature, Salmonid and water quality	OR_EPA_AR_020964 - 020967
387	7/12/00	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: Straw for conference call Attachment Att. 1: Email to Geoffrey Poole, EPA, et al, from Debra Sturdevant, DEQ, re: Goal Statement and Technical Briefing	OR_EPA_AR_020968 - 020971
388	7/19/00	Email to Dru Keenan, EPA, et al, from Jeff Lockwood, NOAA, re: New Tools?	OR_EPA_AR_020972
389	7/20/00	Email to Dru Keenan, EPA, from Jeffrey Lockwood, NOAA, re: New Tools?	OR_EPA_AR_020973

390	7/24/00	Email to Dru Keenan, EPA, from Jason Dunham, USFS, re: August Meeting Dates	OR_EPA_AR_020974 - 020975
391	7/20/00	Email to Dru Keenan, EPA, et al, from Jeffrey Lockwood, NOAA , re: Tech. Interpretation & Revised Goal Attachment Att. 1: Proposed Revision for Project Goal Statement	OR_EPA_AR_020976 - 020978
392	7/21/00	Summary of Peer Review Panel's review of technical issue papers	OR_EPA_AR_020979 - 020981
393	9/25/02	Email from Dru Keenan, EPA, providing latest draft of temperature guidance to HQ	OR_EPA_AR_020982
394	7/24/00	Email to Dru Keenan, EPA, et al, from Jeffrey Lockwood, NOAA, re: Take Assurances for Temperature Project	OR_EPA_AR_020983 - 020984
395	7/26/00	Distribution Thresholds as a Tool for Designing Water Quality Standards, by Geoffrey Poole, EPA	OR_EPA_AR_020985 - 020998
396	7/26/00	Email Jeff Lockwood, NOAA, from Jason Dunham, re: August Presentation	OR_EPA_AR_020999
397	7/27/00	Spatio-Temporal Presentation by Geoffrey Poole, EPA	OR_EPA_AR_021000 - 021007
398	7/27/00	Email to Dru Keenan, EPA, from Sherri Johnson, re: other Cvs	OR_EPA_AR_021008
399	07/27/00	Draft: Pacific Northwest Temperature Criteria Guidance Project Expected Outcomes of Project	OR_EPA_AR_021009

400	7/31/00 8/1/00	<p>Agenda for Temperature Criteria Development Project Technical Workgroup Meeting and handwritten notes</p> <ul style="list-style-type: none"> -Graph: Site-specific biological standards are insufficient -Summary of Peer Review Panel's review of technical issue papers -Instructions for Finalizing Technical Issue Summaries -Visual Salmonid Population handout -Population Level Characteristics -Proposed Revision for Project Goal Statement and Technical Interpretation and handwritten notes -Goal and Technical Interpretation -Proposed Revision for Project Goal Statement -Development of conceptual models -Map & handout: Level III Ecoregions -Combined Critical Factors for Temperature Criteria -Flip Chart Notes -compilation of letters, responses to call for papers given to Tech group by Peer Review Panel -Meeting Summary -Policy Goal attachment with handwritten notes 	OR_EPA_AR_021010 - 021088
401	8/2/00	<p>Agenda: Regional Temperature Criteria Guidance Project Policy Workgroup Mtg</p> <ul style="list-style-type: none"> -Pacific Northwest Temperature Criteria Guidance Project, Proposed Revised Goal Statement and handwritten notes -Pacific Northwest Temperature Criteria Guidance Project, Expected Outcomes Draft and handwritten notes -Goals: Policy Goal, Technical Goal, and Interpretation of Technical Goal with handwritten notes -Quick Comparison of ESA and CWA Goals, with handwritten notes -Oct Term 1978, Bolt Decision, opinion of the court with handwritten notes -US v. State of OR -US v. Adair and handwritten notes -Email to Dru Keenan, EPA, from John Palmer, EPA, re: 4-State Governors Recommendations for Salmon -Meeting Summary 	OR_EPA_AR_021089 - 021104
402	8/11/00	Email to Dru Keenan, EPA, Geoffrey Poole, EPA, from Jason Dunham, USFS, re: Draft meeting notes	OR_EPA_AR_021105 - 021106

403	8/15/00	Final Draft: Regional Temperature Criteria Guidance Project Policy Workgroup Operating Principles	OR_EPA_AR_021107 - 021108
404	8/25/00	Public Workshops Outline Attachment Att. 1: Draft Agenda for Water Temperature Criteria Guidance Project	OR_EPA_AR_021109 - 021111
405	8/28/00	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: Revisions Attachment Att. 1: What is a "temperature regime?"	OR_EPA_AR_021112 - 021116
406	8/2000	Goals Statement (revised)	OR_EPA_AR_021117 - 021118
407	9/6/00	Technical Workgroups Goal Statements	OR_EPA_AR_021119 - 021121
408	9/18/00 - 9/19/00	Agenda: Temperature Criteria Development Project Technical Workgroup with handwritten notes -key questions with handwritten notes -Q&A for Spatial-Temporal paper -Table: Fish diseases and increased susceptibility to the indicated stressor with handwritten notes -Summary of peer review discussion of: Temperature interaction summary with handwritten notes -Summary of Peer Review Comments Distribution Issue Paper with handwritten notes -Peer Review Comments on Behavioral Summary with handwritten notes -Conclusions from Physiology Paper -Physiological Effects of Temperature for Pacific Salmon, Steelhead, and Coastal Cutthroat Trout -Meeting Summary	OR_EPA_AR_021122 - 021153

409	9/20/00	Agenda: Regional Temperature Criteria Guidance Project Policy Workgroup Meeting -Pacific Northwest Temperature Criteria Guidance Project, Project Goal Statement -Public Workshop Outline -Geoff's notes for Policy Workgroup Talk re: range of water quality criteria models -graph: Site-specific biological standards are insufficient -Final: Regional Temperature Criteria Guidance Project Policy Workgroup Operating Principles -Meeting Summary dated 10/30/00	OR_EPA_AR_021154 - 021164
410	8/2000	Summary of Peer Review Panel's review of technical issue papers	OR_EPA_AR_021165 - 021180
411	10/6/00	Figure: Middle Fork John Day River FLIR	OR_EPA_AR_021181
412	10/12/00	Agenda: Temperature Criteria Development Project Technical Workgroup -R10 Temperature Criteria Development Project, Criteria Model Matrixes -Conceptual Model of Salmonid Survival and Production -Flip Chart Notes -Meeting Summary	OR_EPA_AR_021182 - 021194
413	10/13/00	-Letter to Sherri Johnson from Sally Sauter re: Changes Made to Behavior Issue Paper -Letter to Sherri Johnson from Geoffrey Poole re: Changes made to Spatial-Temporal Issue Paper -Letter to Sherri Johnson from Debra Sturdervant, re: Changes made to Physiology Issue Paper -Letter to Sherri Johnson from Elizabeth Materna re: Changes made to Multiple Interaction Issue Paper -Letter to Sherri Johnson from Jason Dunham re: Changes made to Salmonid distribution Issue Paper	OR_EPA_AR_021195 - 021203
414	11/1/00	Conceptual Framework Distribution Threshold Temperature Model	OR_EPA_AR_021204 - 021205
415	11/1/00	Email to Jeff Lockwood, et al, from Geoffrey Poole, EPA, re: Distribution Paper	OR_EPA_AR_021206 - 021207
416	11/1/00	Peer review materials for Peer Review Panel for the Feb 14/15 meeting to discuss approaches	OR_EPA_AR_021208 - 021216

417	11/3/00	Email to Dru Keenan, EPA, et al, from Jason Dunham, re: synthesis paper responses	OR_EPA_AR_021217 - 021220
418	11/7/00	<p>Agenda: Temperature Criteria Development Project Technical Workgroup</p> <ul style="list-style-type: none"> -Draft Introduction -Species and Life Stage Specific, Conceptual Model -Conceptual Framework: Distribution Threshold -"System Potential" Conceptual Model -Geological graph of Northwest Ecoregion -Red Light, Yellow Light, Green Light -Evaluating Factors and handwritten notes -flowchart -timeline -Draft Flip Chart Notes -Meeting Summary 	OR_EPA_AR_021221 - 021257
419	11/8/00	<p>Agenda: Regional Temperature Criteria Guidance Project Policy Workgroup Meeting with handwritten notes</p> <p>Attachments</p> <ul style="list-style-type: none"> Att. 1: Evaluating Factors and handwritten notes Att. 2: Conceptual Model and handwritten notes Att. 3: Red Light, Yellow Light, Green Light and handwritten notes Att. 4: Conceptual Framework: Distributional Thresholds and handwritten notes Att. 5: "Ecoregion" Conceptual Model -copy of flowchart and handwritten notes -copy of timeline -Meeting Summary <p>Attachment</p> <p>Att. 1: Evaluating Factors Draft</p>	OR_EPA_AR_021258 - 021272
420	11/10/00	<p>Email to Dru Keenan et al, from Geoffrey Poole, EPA, re: Very Important</p> <ul style="list-style-type: none"> -Characteristics of Standards -Table: Traditional and alternative characteristics of water quality standards -Characteristics of Standards and Classifications 	OR_EPA_AR_021273 - 021279
421	11/10/00	Characteristics of Criteria, by Geoffrey Poole, EPA	OR_EPA_AR_021280 - 021281

422	11/14/00	Elements of Biological Performance by Lestelle, L.C. and Mobrand, L.E., 1995. "Progress Report on the Application of an Ecosystem Analysis Method to the Grande Ronde Watershed"	OR_EPA_AR_021282 - 021283
423	11/15/00	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: You'll be happy to read this	OR_EPA_AR_021284 - 021285
424	11/15/00	Pacific Northwest Temperature Project, Status Report	OR_EPA_AR_021286
425	11/19/00	Email to Technical Workgroup from Geoffrey Poole, EPA, re: Human activities affecting stream Temperature	OR_EPA_AR_021287 - 021293
426	11/22/00	Email to Dru Keenan, EPA, et al. from Geoffrey Poole, EPA, re: additional thoughts on how cold	OR_EPA_AR_021294
427	12/4/00	Pacific NW Temperature Criteria Guidance Project Evaluating Factors	OR_EPA_AR_021295
428	12/6/00	Agenda: Regional Temperature Criteria Guidance Project Policy Workgroup Meeting and handwritten notes Attachments Att. 1: Three Basic Approaches to a Temperature Standard Att. 2: Evaluating Factors Att. 3: Handwritten notes from policy meeting	OR_EPA_AR_021296 - 021301

429	12/7/00	Agenda: Temperature Criteria Development Project Technical Workgroup -Email to workgroup from Dru Keenan, EPA, re: Agenda for Dec 7 th Tech Meeting -Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: Pretty fed up -Email to workgroup from Dru Keenan, EPA, Geoffrey Poole, EPA, re: feedback opportunities -Purpose of Synthesis Statement by Debra Sturdevant -Uncertainty Components -How cold? Outline -How cold? -Implications for development of criteria for water temperature standards -Classification of specific strategies for water quality standards by Geoffrey Poole, EPA -Characteristics of Standards -Flip Chart Notes -Meeting Summary	OR_EPA_AR_021302 - 021358
430	12/8/00	Fax: Announcement and Proposed agenda for the Dec 12 Environmental Policy Committee Meeting, Northwest Indian Fisheries Commission	OR_EPA_AR_021359
431	12/12/00	Draft of Introduction, suggested changes from Mark	OR_EPA_AR_021360 - 021390
432	12/14/00	Tables from 12/5/00 Draft Synthesis Paper	OR_EPA_AR_021391 - 021394
433	12/12/00	Pacific Northwest Temperature Project Status Report	OR_EPA_AR_021395
434	12/13/00	Definition and Distinction between "Criteria" and "Standard"	OR_EPA_AR_021396
435	12/19/00	Fax from Jennifer Mitchell to Dru Keenan re: heat and temperature equations	OR_EPA_AR_021397
2001			

436	1/4/01	Agenda for Temperature Criteria Development Project Technical Workgroup Att. 1: Table 1 from 12/5/00 Draft Synthesis Paper Att. 2: "Rules of the Road" Att. 3: Definition and Distinction between "Criteria" and "Standard" Att. 4: Labeling Convention for Products - Draft I Att. 5: Draft Flip Chart Notes Att. 6: Meeting Summary, Final	OR_EPA_AR_021398 - 021408
437	1/10/01	Draft Technical Synthesis Paper	OR_EPA_AR_021409 - 021438
438	1/17/01	Pacific NW Temperature Criteria Guidance Development Project Status Report	OR_EPA_AR_021439
439	1/22/01	EPA NW Temperature Criteria Guidance Development, "Ecoregion" Conceptual Model by Temperature Technical Workgroup	OR_EPA_AR_021440 - 021441
440	1/22/01	EPA NW Temperature Criteria Guidance Development, "System Potential" Conceptual Model by Temperature Technical Workgroup	OR_EPA_AR_021442 - 021444
441	1/22/01	Red Light, Yellow Light, Green Light (Conceptual Temperature Model) by Temperature Technical Workgroup	OR_EPA_AR_021445 - 021446
442	1/22/01	Species and Life Stage Specific Conceptual Model, by Temperature Technical Workgroup	OR_EPA_AR_021447 - 021448
443	1/26/01	Email from Geoffrey Poole, EPA, to Dale McCullough, CRITFC, re: Implications Section	OR_EPA_AR_021449 - 021454
444	8/29/02	Email from Cara Lalley, EPA, forwarding latest draft of temperature guidance	OR_EPA_AR_021455 - 021456
445	1/28/01	Definition of Terms Used in Criteria Matrix by Geoffrey Poole, EPA	OR_EPA_AR_021457 - 021458
446	2/28/01	Email to Shelly from Don Essig, DEQ, re: Bull Trout	OR_EPA_AR_021459
447	1/29/01	Characteristics of Standards (2) by Geoffrey Poole	OR_EPA_AR_021460 - 021462

448	1/31/01 - 2/1/01	Agenda for Temperature Criteria Development Project Technical Workgroup Retreat and handwritten notes Attachments Att. 1: Synthesis of the Science - Preliminary Findings Att. 2: Pre-retreat Draft of Technical Synthesis with handwritten notes Att. 3: Definition of Terms Used in Criteria Matrix Att. 4: Characteristics of Standards Att. 5: Draft Flip Chart Notes from Retreat Att. 6: Meeting Summary	OR_EPA_AR_021463 - 021509
449	2/4/01	Temperature Criteria Models by Dru Keenan, EPA	OR_EPA_AR_021510
450	2/5/01	Email to Sally Sauter, USGS, Chris Mebane, DEQ, et al, re: Additional text Attachment Att.1: Distribution Threshold with handwritten notes	OR_EPA_AR_021511 - 021513
451	2/7/01	Agenda for Temperature Criteria Development Project Technical Workgroup Retreat with handwritten notes Attachments Att. 1: Distributions of Daily Maximum Temperatures for Current Conditions and the Allocated System Potential Att. 2: An anonymous stream, somewhere in Idaho Att. 3: Species and Life Stage Approach with handwritten notes Att. 4: Species/Life History Att. 5: Distribution Threshold Att. 6: Distribution Thresholds Approach (Conservation Biology Emphasis) with handwritten notes Att. 7: Modeled System Potential Approach (Physical Modeling Emphasis) with handwritten notes Att. 8: System Potential Att. 9: Natural System Potential as an Approach to Temperature Criteria Att. 10: Draft Flip Chart Notes Att. 11: Meeting Summary	OR_EPA_AR_021514 - 021536
452	2/01	Combined and Conceptual Models	OR_EPA_AR_021537 - 021559

453	2/8/01	Conference call notes with Peer Review Panel Attachments Att. 1: Email message to Dru Keenan from Geoffrey Poole, EPA, re: conference call with handwritten notes	OR_EPA_AR_021560 - 021563
454	2/13/01	Peer Review Panel (List of Panelists) by Sherri Johnson	OR_EPA_AR_021564
455	2/01	EPA Fact Sheet: Update: Pacific NW Water Quality Temperature Criteria Guidance	OR_EPA_AR_021565 - 021566
456	2/13/01	Peer Review Panel	OR_EPA_AR_021567
457	2/27/01	Temperature Approaches for March Workshop by Technical Workgroup	OR_EPA_AR_021568 - 021571
458	2/28/01	Draft: Response to Insight Set of Comments by Geoffrey Poole, John Risley, Mark Hicks	OR_EPA_AR_021572 - 021575
459	2/28/01	-Issue Paper 1: Salmonid Behavior and Water Temperature (Draft) -Issue Paper 2: Salmonid Distributions and Temperature (Draft) -Issue Paper 3: Spatial and Temporal Patterns of Stream Temperature (Draft) -Issue Paper 4: Temperature Interaction (Draft) -Technical Synthesis: Water Temperature, Salmonids, and Water Quality Criteria: Final Draft	OR_EPA_AR_021576 - 021769
460	3/1/01	Email to Workgroup members from John Palmer, EPA, re: Temperature Policy Meeting (Thursday, 3/8)	OR_EPA_AR_021770
461	3/7/01	Email to Chris Mebane, DEQ, Dru Keenan, EPA, et al, from Sherri Johnson, re: Sullivan paper	OR_EPA_AR_021771
462	3/9/01	Email train between Debra Sturdevant, DEQ, Dru Keenan, EPA, Dale McCullough, CRITFC, et al, re: Final Updated Fact Sheet	OR_EPA_AR_021772 - 021773

463	3/7/01	Draft Agenda for Temperature Criteria Development Project Technical Workgroup Retreat with handwritten notes Attachment -Notes from Regional Temperature Peer Review Meeting (Chris Mebane) -General summary of the initial review of EPA R10 Stream Temperature Criteria Conceptual Models -Distribution Threshold Model from Geoffrey Poole, EPA -Willamette River diagram -U.S. EPA NW Regional Temperature Criteria Public Informational Exchange Agenda -Oregon Insider News -Draft Flip Chart Notes -Meeting Summary	OR_EPA_AR_021774 - 021804
464	3/11/01	Char Guild: Species Life Stage" Recommended Thresholds by Shelley Spalding, USFWS	OR_EPA_AR_021805 - 021819
465	3/15/01	Notice of Workshop on U.S. Pacific NW Regional Water Temperature Criteria	OR_EPA_AR_021820 - 021821
466	3/15/01	Workshop Presentation on the Technical Workgroup Synthesis Paper Attachments Att. 1: Technical Workgroup presentation Att. 2: Criteria Approach Presentation Att. 3: Criteria Guidance Project Presentation	OR_EPA_AR_021822 - 021829
467	3/12/01	Comment form: Northwest Regional Temperature Criteria Proposals with comments received at WA Regional Temperature Criteria Workshop	OR_EPA_AR_021830 - 021831
468	3/15/01	Sign-in Sheet for Public Workshop for NW Temperature Criteria Guidance -Northwest Temperature Criteria Guidance	OR_EPA_AR_021832 - 021844
469	3/12/01	Washington Dept. Of Ecology Regional Temperature Criteria Public Meeting Sign-in Sheet	OR_EPA_AR_021845 - 021860
470	3/14/01	Temperature and Salmonid Distributions Presentation by Technical Workgroup	OR_EPA_AR_021861 - 021871
471	3/16/01	Pacific Northwest Water Temperature Criteria Guidance Project Workshop Attendees List	OR_EPA_AR_021872 - 021873

472	1/4/01	Response to OFIC/WFPA Comments per discussion at 6/4/01 meeting	OR_EPA_AR_021874 - 021878
473	4/3/01	Email to Workgroup members from John Palmer, EPA, re: Questions for Technical Workgroup	OR_EPA_AR_021879
474	4/3/01	Agenda for Temperature Policy Workgroup Policy Call -Policy Workgroup Questions for the Technical Workgroup with regards to the Approaches for Temperature Criteria	OR_EPA_AR_021880 - 021881
475	4/3/01	Email to Temperature Policy Workgroup members from John Palmer, EPA, re: Temperature Policy Meeting	OR_EPA_AR_021882 - 021883
476	4/5/01	Evaluation Factors for Temperature Criteria by Technical Workgroup	OR_EPA_AR_021884
477	4/11/01	Agenda for Temperature Criteria Development Project Technical Workgroup with handwritten notes Attachments Att. 1: Policy Workgroup's Assessment of Public Workshopos Att. 2: Email to Geoffrey Poole, EPA, Dru Keenan, EPA, et al, from Chris Mebane, DEQ, re: \$62K Project Support Grant Att. 3: DEQ 104b3 Grant: Technical Support for Regional Temperature Criteria Project Att. 4: General Summary of the Initial Review of EPA R10 Stream Temperature Criteria Conceptual Models Att. 5: One panelists – additional comments on conceptual models Att. 6: Combined Conceptual Models Att. 7: Species and Life Stage Approach (Fish Biology Emphasis) Att. 8: Draft Flip Chart Notes from Technical Workgroup Meeting Att. 9: Meeting Summary of Regional Temperature Project, Technical Workgroup	OR_EPA_AR_021885 - 021944
478	4/18/01	Email train between Dale McCullough, CRITFC, Dru Keenan, EPA, Randy Smith, EPA, et al, re: Response to Randy Smith	OR_EPA_AR_021945 - 021949
479	4/18/01	Email article for Record Salmon News	OR_EPA_AR_021950 - 021951

480	4/23/01	Letter to John Palmer, EPA, from Chris Jarmer, Oregon Forest Industries Council and Ann Goos, Washington Forest Protection Association, re: Comments on the <i>EPA Technical Synthesis Issue Paper</i> and <i>Approaches for the NW Temperature Criteria Guidance Paper</i> Attachments Att. A: Review of the EPA R10 Technical Synthesis of Issue Papers Att. B: Review of the EPA R10 Draft Approaches for the NW Temperature Criteria Guidance Paper	OR_EPA_AR_021952 - 021975
481	5/2/01	Agenda for Temperature Criteria Development Project Technical Workgroup and handwritten notes Attachments Att. 1: Email to Dru Keenan, EPA, Marianne Deppman, EPA, et al, from Sally T. Sauter, USGS, re: May 2 & Models Att. 2: Distribution Threshold Approach to Water Temperature Criteria Att. 3: Thermal Potential Approach with handwritten notes Att. 4: Species and Life Stage Specific Model and handwritten notes Att. 5: Draft Flip Chart Notes Att. 6: Meeting Summary	OR_EPA_AR_021976 - 022007
482	5/3/01	Email to Temperature Policy Workgroup re: Notes from Temperature Policy Meeting	OR_EPA_AR_022008
483	5/7/01	Species and Life Stage Specific Model	OR_EPA_AR_022009 - 022013
484	5/8/01	Email to Dru Keenan, EPA, Chris Mebane, DEQ, et al, from Geoffrey Poole, EPA, re: OFIC/WFPA Comments	OR_EPA_AR_022014 - 022015
485	5/10/01	Natural Physical Potential as an Approach to Temperature Criteria Article	OR_EPA_AR_022016 - 022032
486	5/11/01	Growth and Survival Temperature Criteria for Bull Trout Annual Report 2000 (Year 3) by McMahon, Zale, Selong, Barrows	OR_EPA_AR_022033 - 022064
487	5/15/01	Meeting Summary for Pacific NW Temperature Project Policy Workgroup	OR_EPA_AR_022065 - 022067

488	5/22/01 - 5/23/01	Agenda for Temperature Criteria Development Project Technical Workgroup Retreat Attachments Att. 1: statement Att. 2: Sub-Basin Temperature Management Plan Option Att. 3: Natural Physical Potential as an Approach to Temperature Criteria Att. 4: Distribution of Temperature Approach to Water Temperature Criteria Att. 5: Species and Life Stage Specific Model Att. 6: Issues Common to All Approaches Att. 7: Combined Critical Factors for Temperature Criteria Att. 8: Draft Scope of Work by Don Essig Att. 9: Memo to Fish Passage Advisory Committee from Michele DeHart, Fish Passage Center, re: Status of 2001 Migration Att. 10: Draft Flip Chart Notes Att. 11: Discussion on what biological goal should be based on: Current, Historical, or Potential Fish Distribution Att. 12: Meeting Summary	OR_EPA_AR_022068 - 022139
489	7/3/01	Meeting Summary for June 7, 2001 Pacific NW Temperature Project Policy Workgroup Attachment Att. 1: Flip Chart Notes from Policy Workgroup Meeting (6/7/01)	OR_EPA_AR_022140 - 022142
490	6/7/01	--Policy Group Questions to Technical Group on 3 Criteria Approaches by Technical Workgroup --Sub-basin Temperature Management Plan Conceptual Model by Technical Workgroup --Distribution of Temperature Conceptual Model by Technical Workgroup --Species and Life Stage Conceptual Model by Technical Workgroup by Technical Workgroup --Natural Thermal Potential Conceptual Model by Technical Workgroup	OR_EPA_AR_022143 - 022180
491	6/11/01	--1999 & 2000 Aug.- Sept. Air Temperature Data --Clearwater Temperature Graphs	OR_EPA_AR_022181 - 022188
492	6/13/01	Draft Agenda for Temperature Criteria Development Project Technical Workgroup Retreat	OR_EPA_AR_022189

493	6/13/01	Draft Agenda for Temperature Criteria Development Project Technical Workgroup Retreat with handwritten notes Attachments Att. 1: Natural Thermal Potential Chart Att. 2: Sub-Basin Temperature Management Plan with handwritten notes Att. 3: Flow Chart for Distribution Threshold Approach with handwritten notes Att. 4: NW Regional Temperature Project Timeline Att. 5: Statements on Key Issues Att. 6: Policy Group Questions to Technical Group on 3 Criteria Approaches Att. 7: Evaluation Criteria Att. 8: Draft: Flip Chart Notes	OR_EPA_AR_022190 - 022209
494	6/14/01	Email to Dru Keenan, EPA, Jeff Lockwood, NOAA, et al, from Mark Hicks, re: Interim Criteria Description Attachment Att. 1: Interim Criteria	OR_EPA_AR_022210 - 022211
495	6/14/01	Email to Dru Keenan, et al, from Mark Hicks, re: SLS Module Attachment Att. 1: Species/Life-Stage Module	OR_EPA_AR_022212 - 022214
496	6/14/01	Email to Marianne Deppman, EPA, et al, from Mark Hicks, re: Multiple Lines of Evidence - Optional Endings	OR_EPA_AR_022215
497	6/6/01	Temperature Measurement and Metrics by Don Essig	OR_EPA_AR_022216 - 022255
498	6/18/01	Email to Mark Hicks, et al, from Jeff Lockwood, NOAA, re: Interim Criteria Description Attachment Att. 1: Interim Criteria	OR_EPA_AR_022256 - 022257
499	6/14/01	Email train between Jeff Lockwood, NOAA, and Shelly Spalding, USFWS, et al, re: Interim Criteria Description Attachment Att. 1: Where and When Module	OR_EPA_AR_022258 - 022262
500	7/2/01	Email to Dru Keenan, EPA, et al from Dale McCullough, CRITFC, re: Illustration of Biological Timing Issues	OR_EPA_AR_022263

501	6/28/01	Steps for Development of Proposed Regional Temperature Criteria by Geoffrey Poole, EPA	OR_EPA_AR_022264 - 022265
502	6/28/01	Work for July 10 and 11 Technical Meeting by Dru Keenan, EPA	OR_EPA_AR_022266
503	7/3/01	--Email to John Palmer, EPA, et al, from Jeff Lockwood, NOAA, re: Key Issues that Cut across Options --Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Temperature Options (Urgent Review) Attachment Att. 1: Draft Overview of the Criteria Guidance Options Att. 2: Draft Key Issues that Cut Across Criteria Options	OR_EPA_AR_022267 - 022274
504	7/3/01	Email to John Palmer, EPA, et al, from Jeff Lockwood, NOAA, re: Comments - Overview of Criteria Guidance Options	OR_EPA_AR_022275
505	7/8/01	Estimate Natural Thermal Potential Module by Don Essig	OR_EPA_AR_022276 - 022285
506	7/9/01	Letter to Dru Keenan, EPA, from Kent Smith, InSight Consultants, re: Comments to Issue Paper 3, Spatial and Temporal Patterns of Stream Temperature by Geoffrey Poole, John Risley, and Mark Hicks (2/28/01 draft)	OR_EPA_AR_022286
507	7/10/01	Draft: Overview of the Criteria Guidance Options	OR_EPA_AR_022287 - 022289
508	7/10/01-7/11/01	Agenda for Temperature Criteria Development Project Technical Workgroup Meeting with handwritten notes Attachments Att. 1: Draft Flip Chart Notes Att. 2: Color Charts (2), with handwritten notes Att. 3: Species/Life-Stage Module (7/9/01) Att. 4: Species/Life-Stage Module (6/14/01) Att. 5: Work for July 10 & 11 Technical Meeting (2) with handwritten notes	OR_EPA_AR_022290 - 022305
509	7/13/01	Email to Dru Keenan, EPA, et al, from Sally Sauter, USGS, re: Smoltification Revisited	OR_EPA_AR_022306 - 022307

510	7/19/01 - 7/20/01	Draft Agenda for Regional Temperature Criteria Guidance Project with handwritten notes Att. 1: NW Regional Temperature Project Timeline with handwritten notes Att. 2: Color Charts (2) Att. 3: Email to Cathy Tortorici, NOAA, et al, from John Palmer, EPA, re: Temperature Policy July 19/20 Meeting - Important Materials Att. 4: Key Issues that Cut Across Criteria Options Att. 5: Overview of the Criteria Guidance Option	OR_EPA_AR_022308 - 022318.02
511	7/24/01	Draft: Illustrative Example of EPA Temperature Guidance	OR_EPA_AR_022319 - 022320
512	7/25/01 - 7/26/01	Agenda for Temperature Criteria Development Project with handwritten notes Att. 1: Email to Marianne Deppman, EPA, Elizabeth Materna, USFWS, et al, re: Upcoming Technical Meetings Att. 2: Multiple Lines of Evidence with handout: Reconcile Thermal Potential Mode and handwritten notes Att. 3: Color Charts (2) with handwritten notes Att. 4: Possible Solutions to When and Where by Dale McCullough Att. 5: Email train between Mark Hicks and Marianne Deppman, et al, re: Year 2 Year Variation with summary information and power point presentation Att. 6: Cold Water Guild Summary from integration of all effects Att. 7: Upper End of Optimum document Att. 8: Email to Dru Keenan, EPA, Geoffrey Poole, EPA, from Shelly Spalding, USFWS, re: Multiple Lines of Evidence Att. 9: Illustrative Example of EPA Temperature Guidance Att. 10: Draft Flip Chart Notes	OR_EPA_AR_022321 - 022354
513	7/31/01	Email to Geoffrey Poole, EPA, et al, from Dale McCullough, CRITFC, re: SLS example, questions	OR_EPA_AR_022355 - 022361
514	7/30/01	Email to Sherri Johnson, from Dru Keenan, EPA, re: Cover letters	OR_EPA_AR_022362
515	8/1/01	Email to Dru Keenan, EPA, from Sherri Johnson, re: Cover Letters	OR_EPA_AR_022363 - 022364
516	8/1/01	Email to Marianne Deppman, EPA, et al, from Don Essig, DEQ, re: Temperature Modeling	OR_EPA_AR_022365 - 022366
517	8/2/01	Meeting Summary for July 19-20, 2001 Pacific NW Temperature Project Policy Workgroup	OR_EPA_AR_022367 - 022371

518	8/2/01	Email to Don Essig, DEQ, et al, from Geoffrey Poole, EPA, re: Some Thoughts (and a question for Dale)	OR_EPA_AR_022372 - 022374
519	8/2/01	Email to Marianne Deppman, EPA, et al, from Mark Hicks, re: Default process for protecting bully trout with handwritten notes	OR_EPA_AR_022375
520	8/2/01	Work for Developing Final Temperature Guidance by Dru Keenan	OR_EPA_AR_022376
521	8/3/01	Memo to EPA Temperature Criteria Guidance Policy Team from Patti Howard, Nez Perce Tribe, re: EPA R10 Temperature Guidance Criteria Project	OR_EPA_AR_022377 - 022378
522	8/6/01	Email to Temperature Technical Work Group from Christopher Mebane, re: How cold thoughts	OR_EPA_AR_022379
523	8/7/01 - 8/8/01	Agenda for Temperature Criteria Development Project Technical Workgroup Meeting Attachments Att. 1: Cold Water Guild, Summary from integration of all effects with handwritten notes Att. 2: Chart: Distributions of Daily Maximum Temperatures for Current Conditions and the Allocated System Potential with handwritten notes Att. 3: Charts (3) Att. 4: Estimate Natural Thermal Potential Module by Don Essig Att. 5: Draft by Debra: Pros and Cons of an Initial Assessment Based on Species Life Stage Criteria Att. 6: Draft: Multiple Lines of Evidence Module (Developing Temperature Criteria from Multiple Lines of Evidence) Att. 7: Distribution Threshold Module Att. 8: Options for Interim Criteria as a Part of the Regional Temperature Criteria Att. 9: Bull Trout Notes per Shelly Att. 10: Remaining Decisions on Key Features of the Temperature Guidance Att. 11: Draft Flip Chart Notes Att. 12: Temperature Technical Meeting handwritten notes	OR_EPA_AR_022380 - 022438
524	8/10/01	Email train between Don Essig, DEQ and Chris Mebane, DEQ, et al, re: Definition of Season of Use	OR_EPA_AR_022439 - 022441

525	8/10/01	Email to John Risley, Don Essig, from Geoffrey Poole, re: Estimate Natural Thermal Potential Module Revisions Attachment Att. 1: Estimate Natural Thermal Potential Module by Don Essig	OR_EPA_AR_022442 - 022450
526	8/10/01	Chart: Composite Run Timing	OR_EPA_AR_022451
527	8/11/01	Email to Temperature Workgroup from Don Essig, DEQ, re: Lochsa River Temperature Data Attachment Att. 1: Chart: Lochsa @ Lowell Stream Temperature	OR_EPA_AR_022452 - 022453
528	8/11/01	Email from Dale McCullough to Don Essig, re: Lochsa River Temperature Data	OR_EPA_AR_022454 - 022455
529	8/13/01	Species Life Stage Module Criteria by Jeff Lockwood	OR_EPA_AR_022456 - 022458
530	8/16/01	Draft: Multiple Lines of Evidence Module with handwritten notes	OR_EPA_AR_022459 - 022461
531	8/13/01	Memo to Members of the Regional Temperature Team from David Mabe, DEQ, re: Species Specific Temperature Numbers	OR_EPA_AR_022462 - 022465
532	8/14/01 - 8/15/01	Draft Agenda: Regional Temperature Criteria Guidance Project, Policy and Technical Workgroup Meeting with handwritten notes Attachments Att. 1: Outline for Presentations on Temperature Criteria to the Policy Workgroup Att. 2: Options for Interim Criteria as a Part of the Regional Temperature Criteria for discussion Att. 3: Species Life Stage Module Criteria Att. 4: Some thoughts about whether or not doing the SLS approach first will save resources Att. 5: Draft: Multiple Lines of Evidence Module with handwritten notes Att. 6: Distribution Threshold Module Att. 7: Draft: Pros and Cons of an Initial Assessment Based on Species Life Stage Criteria by Debra, modified by Geoffrey Poole Att. 8: Evidence that adult/subadult bull trout move out of warming waters to colder waters during summer Att. 9: Charts (2)	OR_EPA_AR_022466 - 022488

533	8/21/01	Emailed article re: Idaho Fish and Game Reports Record Salmon Runs	OR_EPA_AR_022489 - 022490
534	8/31/01	Email to John Palmer, EPA, from Jason Dunham, re: Comments on Draft Temperature Guidance Attachment Att. 1: Email comments from Sally Sauter	OR_EPA_AR_022491 - 022494
535	8/31/01	Email to Jason Dunham from Don Essig, re: Comments on Draft Temperature Guidance	OR_EPA_AR_022495 - 022498
536	8/31/01	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: Presentation	OR_EPA_AR_022499 - 022500
537	8/2001	Presentation by Geoffrey Poole: Proposed Approach to Temperature Standard	OR_EPA_AR_022501 - 022520
538	8/2001	Draft Appendix B: Determining sub-basin specific requirement for when and where numeric criteria apply by Geoffrey Poole	OR_EPA_AR_022521 - 022532
539	9/4/01	2 nd Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards with handwritten notes	OR_EPA_AR_022533 - 022540
540	9/4/01	2 nd Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards with handwritten notes	OR_EPA_AR_022541 - 022548
541	9/10/01	Draft: Char Guild: "Species Life Stage" Recommended Thresholds by E. Materna and S. Spaulding	OR_EPA_AR_022549 - 022554
542	9/10/01	Email to John Palmer, EPA, et al, from Stephen Zylstra, USFWS, re: EPA Temperature Guidance—2nd Draft!! Conference Call Monday	OR_EPA_AR_022555
543	9/11/01 - 9/12/01	—Handwritten notes from Technical Meeting —Charr Guild: "Species Life Stage" Recommended Thresholds with handwritten notes —Draft: Multiple Lines of Evidence Module with handwritten notes —Species Life Stage Module Criteria with handwritten notes —Email to Sally Sauter, USGS, et al, from Jason Dunham, re: Temperature Proposal Concern —Draft: Flip Chart Notes	OR_EPA_AR_022556 - 022577
544	9/17/01	Email to Mark Hicks, et al, from Shelly Spaulding, re: Draft Appendix A	OR_EPA_AR_022578 - 022579

545	9/17/01	Draft Proposal for Temperature Guidance by Dru Keenan, EPA	OR_EPA_AR_022580 - 022582
546	9/18/01	Email to Cathy Tortorici, NOAA, et al, from John Palmer, EPA, re: Policy Challenge for Temperature Project	OR_EPA_AR_022583 - 022585
547	9/18/01	Memo to John Palmer, EPA, from Russell Strach, NMFS, re: Comments on 2 nd Draft Regional Temperature Guidance Document	OR_EPA_AR_022586 - 022589
548	9/18/01	Intended Changes to 9/4/01 Draft of EPA's Temperature Guidance with handwritten notes	OR_EPA_AR_022590 - 022591
549	9/18/01	Email train between Dru Keenan, EPA, Jason Dunham, USDA FS, et al, re: Help on Bull Trout for Appendix A	OR_EPA_AR_022592 - 022598
550	9/18/01	Email to John Palmer, EPA, et al, from Geoffrey Poole, EPA, re: Policy Challenge for Temperature Project	OR_EPA_AR_022599 - 022600
551	9/18/01	Draft: Appendix B: Determining sub-basin specific requirement for when and where numeric criteria apply, distributed by John Palmer, edits by Dale McCullough	OR_EPA_AR_022601 - 022614
552	9/19/01	Emailed article: Why Don't We Believe the Models?	OR_EPA_AR_022615 - 022616
553	9/20/01	Agenda for Policy Meeting Attachments Att. 1: Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Policy Challenge for Temperature Project Att. 2: Email to John Palmer, EPA, et al, from Geoffrey Poole, EPA, re: Policy Challenge for Temperature Project Att. 3: Intended Changes to 9/4/01 Draft of EPA's Temperature Guidance Att. 4: EPA R10 Temperature Project Technical Workgroup Recommendation for a Regional Temperature Criteria Guidance Att. 5: Article: Why Don't We Believe the Models? Att. 6: Appendix B: Determining Sub-basin Specific Requirement for when and where numeric criteria apply with handwritten notes Att. 7: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_022617 - 022644

554	9/21/01	Email to Dru Keenan, EPA, et al, from Geoffrey Poole, EPA, re: GCP's response to and WDOE's modeler's concerns over Appendix B and handwritten notes Attachment Att. 1: article	OR_EPA_AR_022645 - 022649
555	9/20/01	Presentation of Appendix B of 1 st Draft of Temperature Guidance at Public Workshops	OR_EPA_AR_022650 - 022665
556	9/21/01	Email to Dru Keenan, EPA, et al, from Dale McCullough, CRITFC, re: Everest graph Attachment Att. 1: graph	OR_EPA_AR_022666 - 022667
557	9/21/01	Tasks and Schedule for Temperature Project	OR_EPA_AR_022668
558	9/24/01	Email to Greg Pelletier from Mark Hicks, re: Revised Language for Appendix B of the Regional Temperature Criteria Attachment Att. 1: Appendix B with handwritten notes	OR_EPA_AR_022669 - 022682
559	9/24/01	Letter to John Palmer and EPA Temperature Guidance Criteria Policy Team from Patti Howard (CRITFC), re: Comments on EPA 's Draft Temperature Guidance Criteria, 9/4/01 with handwritten notes Attachments Att. 1: Appendix A: Recommendations for Numeric Temperature Targets Att. 2: Appendix B: Determining Sub-Basin Specific Requirement for when and where numeric criteria apply	OR_EPA_AR_022683 - 022708
560	9/25/01	Comments on Appendix B by E. Materna	OR_EPA_AR_022709 - 022710

561	9/26/01	<p>Agenda for Temperature Criteria Development Project Technical Workgroup Retreat with handwritten notes</p> <p>Attachments</p> <p>Att. 1: Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Short-Term Timeline for Temperature Guidance</p> <p>Att. 2: Elizabeth's handwritten meeting notes from temperature project</p> <p>Att. 3: Dru Keenan's handwritten notes from Technical Meeting</p> <p>Att. 4: Appendix A: Recommendations for Numeric Temperature Targets</p> <p>Att. 5: Appendix B: Determining sub-basin specific requirement for when and where numeric criteria apply</p> <p>Att. 6: DEQ's Contract: Case Study of the Application of Proposed New Approaches to Water Quality Temperature Criteria</p> <p>Att. 7: Email to Chris Mebane, et al, from Don Essig, DEQ, re: Case Study Tasks</p> <p>Att. 8: Comparison among Idaho, Washington, Oregon Temperature Standards</p> <p>Att. 9: EPA R10 Temperature Project Technical Workgroup Recommendation for a Regional Temperature Criteria Guidance with handwritten notes</p> <p>Att. 10: Draft Flip Chart Notes</p> <p>Att. 11: Meeting Summary</p>	OR_EPA_AR_022711 - 022753
562	9/27/01	Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_022754 - 022764
563	9/28/01	Email train between technical workgroup members, Mark Hicks, Geoffrey Poole, et al, re: Use of Temperature Models in Proposed Approach Temperature Guidance	OR_EPA_AR_022765 - 022772
564	9/28/01	<p>Email to Geoffrey Poole, et al, from John Risely, re: Summer Mean Monthly Temperatures at Oregon USGS Stream sites</p> <p>Attachment</p> <p>Att. 1: historical summer mean monthly temperatures</p>	OR_EPA_AR_022773 - 022784
565	9/28/01	Email to Technical Workgroup from Don Essig, re: Article in Idaho Statesman	OR_EPA_AR_022785
566	9/28/01	Email to Mark Risely from Geoffrey Poole, EPA, re: WDOE's Concerns on Proposed Approach to Develop Temperature Standards	OR_EPA_AR_022786 - 022787
567	9/28/01	Emailed Comments on Appendix A from Shelly Spaulding	OR_EPA_AR_022788 - 022794

568	9/28/01	--Edits to Draft Appendix A from J. Lockwood with handwritten notes --Edits to Draft Appendix B from J. Lockwood with handwritten notes	OR_EPA_AR_022795 - 022822
569	9/28/01	Comments on Appendix A from Shelly Spaulding	OR_EPA_AR_022823 - 022828
570	9/2001	Edits to Appendixes A and B from Don Essig	OR_EPA_AR_022829 - 022850
571	10/01	EPA R10 Temperature Guidance Public Review Draft	OR_EPA_AR_022851 - 022885
572	10/1/01	Peer Review Approach by Sherry Johnson	OR_EPA_AR_022886 - 022888
573	10/1/01	Peer Review Panel's Comments on Issue Papers, Synthesis Paper, and Technical Information Submitted by the Public by Sherry Johnson	OR_EPA_AR_022889 - 022918
574	3/11/03	Email from Cara Lalley, EPA, providing notice of upcoming HQ briefing	OR_EPA_AR_022919
575	10/1/01	--Email to Dru Keenan, EPA, from Sally Sauter, re: comments --Email to Dru Keenan, EPA, from Sally Sauter, re: comments	OR_EPA_AR_022920 - 022921
576	10/1/01	Comments on Appendix A from Mark Hicks	OR_EPA_AR_022922 - 022928
577	10/1/01	Edited version of Appendix A to 1 st Draft of Temperature Guidance	OR_EPA_AR_022929 - 022935
578	10/1/01	Email to Dru Keenan, EPA, from Sally Sauter, re: Comments on 1 st Draft Temperature Guidance Appendix A	OR_EPA_AR_022936 - 022937
579	10/2/01	DEQ's Comments on 3 rd Draft of the Temperature Guidance	OR_EPA_AR_022938 - 022939
580	10/3/01	Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Planning the Public Workshops	OR_EPA_AR_022940
581	10/4/01	Underlying Assumptions of the Approach (Appendix B of 1 st Draft of Temperature Guidance) by Geoffrey Poole	OR_EPA_AR_022941 - 022944
582	10/4/01	Memo to John Palmer, EPA, from Russell Strach, NMFS, re: Comments on the 3 rd Draft, Regional Temperature Guidance Document	OR_EPA_AR_022945 - 022947
583	2001	Comments on 3 rd Draft of Temperature Guidance from Idaho	OR_EPA_AR_022948 - 022949

584	10/4/01	Email to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Version 2 of Appendixes A & B Attachment Att. 1: Memo to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Comments	OR_EPA_AR_022950 - 022957
585	10/4/01	Modeled Thermal Potential and Uncertainty Assessment by Geoffrey Poole	OR_EPA_AR_022958 - 022959
586	10/4/01	Email to Dru Keenan, EPA, et al, from Debra Sturdevant, DEQ, re: Modeler's Meeting - bad news	OR_EPA_AR_022960 - 022961
587	10/4/01	Email to Dru Keenan, EPA, et al, from Mark Hicks, re: Version 2 of Appendix A & B	OR_EPA_AR_022962 - 022963
588	10/4/01	--Email to Cathy Tortorici, NOAA, et al, from John Palmer, EPA, re: Upcoming Policy Conference Call/Meetings with handwritten notes --Email to Cathy Totorici, NOAA,, et al, from John Palmer, EPA, re: Temperature Guidance Transmittal Letter and Issues with handwritten notes --Draft Letter to Stakeholder from Randy Smith, EPA	OR_EPA_AR_022964 - 022968
589	10/5/01	Letter to John Palmer, EPA, from Patti Howard, Dale McCullough (CRITFC), re: Comments on EPA's Draft Temperature Criteria, 9/27/01	OR_EPA_AR_022969 - 022973
590	10/5/01	Email comments to John Palmer, EPA, et al, from Mark Hicks, WDOE, re: Comments on Draft Temperature Guidance	OR_EPA_AR_022974 - 022987
591	10/5/01	Email to John Palmer, EPA, from Stephen Zylstra, USFWS, re: Comments Attachment Att. 1: Redline Version and Comments on EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, 3 rd Draft	OR_EPA_AR_022988 - 023001
592	10/5/01	Memo to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Comments on Appendix B	OR_EPA_AR_023002 - 023007
593	10/5/01	Email to John Palmer, EPA, from Mark Hicks, re: Comments on Regional Temperature Guidance with handwritten notes	OR_EPA_AR_023008 - 023009
594	10/5/01	Memo to Dru Keenan, EPA, from Debra Sturdevant, DEQ, re: Comments on Appendix B	OR_EPA_AR_023010 - 023015

595	10/5/01	Comments on Appendix A, Recommendations for Numeric Temperature Targets Mark Hicks	OR_EPA_AR_023016 - 023022
596	10/5/01	Email train between Mark Hicks, Geoffrey Poole, et al, re: Version 2 of Appendix A & B	OR_EPA_AR_023023 - 023025
597	10/5/01	Email to Mark Hicks, from Geoffrey Poole, EPA, re: Version 2 of Appendix A and B	OR_EPA_AR_023026 - 023027
598	10/5/01	Faxed comments and edits to John Palmer, EPA, from Mark Hicks, WDOE, re: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_023028 - 023042
599	10/6/01	Email to Geoffrey Poole, EPA, et al, from Mark Hicks, re: Version 2 of Appendix A and B	OR_EPA_AR_023043 - 023044
600	10/8/01	Email train between Randy Smith, EPA and Policy Workgroup, re: Transmittal Letter with 1 st Draft of Guidance	OR_EPA_AR_023045 - 023047
601	10/9/01	Email train between Shelly Spalding, USFWS, Dru Keenan, EPA, et al, re: Version 2 of Appendix A and B	OR_EPA_AR_023048 - 023049
602	10/9/01	Email to Dru Keenan, EPA, from Shelly Spalding, USFWS, re: Appendix A sentence	OR_EPA_AR_023050
603	10/9/01	Email train between Dru Keenan, EPA, and Shelly Spalding, et al, re: Comments on Appendix A	OR_EPA_AR_023051 - 023054
604	10/15/01	Emailed Article: State of Washington Reports Mixed Salmon News	OR_EPA_AR_023055 - 023057
605	10/15/01	Oregon Comments on the EPA R10 Guidance for State and Tribal Temperature Water Quality Standards 3 rd Draft	OR_EPA_AR_023058 - 023072
606	2001	Appendix B: Determining sub-basin specific requirement for when and where numeric criteria apply and handwritten notes	OR_EPA_AR_023073 - 023084
607	10/15/01	Appendix B: Determining sub-basin specific requirement for when and where numeric criteria apply and handwritten notes	OR_EPA_AR_023085 - 023097
608	10/18/01	Proposed EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, Public Review Proposal	OR_EPA_AR_023098 - 023109

609	10/18/01	Proposed EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, Public Review Proposal, reviewed by Dale McCullough with handwritten notes	OR_EPA_AR_023110 - 023123
610	10/18/01	Memo to John Palmer, EPA, from Patti Howard Watershed Dept., CRITFC, re: Hard Copy Documentation regarding Temperature Guidance Transmittal Letter	OR_EPA_AR_023124
611	10/23/01	Email to Technical Workgroup from Dale McCullough re: Dale McCullough's Review of Paper by Sullivan, et al Attachment Att. 1: Sullivan report	OR_EPA_AR_023125 - 023132
612	10/25/01	Email to Dru Keenan, EPA, et al, from Debra Sturdevant, DEQ, re: Questions for Peer Review Panel	OR_EPA_AR_023133 - 023134
613	10/28/01	Email to Dru Keenan, EPA, et al, from Don Essig, DEQ, re: Important Reminder	OR_EPA_AR_023135
614	10/29/01	Questions for Peer Review of the EPA Guidance Document and Appendices A and B, Submitted by CRITFC	OR_EPA_AR_023136 - 023141
615	10/30/01	Technical Charge for Peer Review Temperature Criteria Development Project: Proposed Approach to Development of Temperature Criteria Guidance	OR_EPA_AR_023142 - 023144
616	10/30/01	Appendix A and Appendix B of Final Draft of Temperature Guidance (1 st Draft)	OR_EPA_AR_023145 - 023165
617	10/31/01	Faxed Memo to Dru Keenan, EPA, from Pat Larson, Oregon Cattlement Association, re: Comments	OR_EPA_AR_023166 - 023168
618	11/2/01	Letter to Pat Larson, Science and Natural Resource Advisor, from Dru Keenan, EPA, re: Response to Memo	OR_EPA_AR_023169 - 023172
619	10/2001	EPA Regional Water Temperature Guidance re: EPA issues Draft Temperature Guidance	OR_EPA_AR_023173 - 023175
620	11/01	Presentation: EPA R10 Draft Temperature Guidance Public Workshop Presentation	OR_EPA_AR_023176 - 023178
621	11/1/01	Errata Sheet for Draft R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_023179 - 023184

622	11/20/01	Terms Noted by the Peer Review Panel for Definition by Sherry Johnson	OR_EPA_AR_023185 - 023186
623	11/21/01	Letter to John Iani, Director, EPA, from Representative Betsy Close, Senator Ted Ferrioli, re: Comments	OR_EPA_AR_023187
624	9/28/01	Email to Technical Workgroup from John Risley, re: Temperature Data	OR_EPA_AR_023188
625	10/31/01	Letter to Randy Smith, EPA, from Dru Keenan, EPA, John Palmer, EPA, re: Recommendation to Release EPA R10's Draft Temperature Guidance for Public Review Attachment Att. 1: Public Review Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_023189 - 023226
626	10/20/01	Regional Water Temperature Guidance: EPA Issues Draft Temperature Guidance	OR_EPA_AR_023227 - 023229
627	10/31/01	To Dru Keenan, EPA, et al, from Geoffrey Poole, re: Case Study Watersheds	OR_EPA_AR_023230 - 023232
628	11/7/01	Draft Agenda for Temperature Criteria Development Project Technical Workgroup Retreat with handwritten notes Attachments Att. 1: Technical workgroup handwritten notes Att. 2: Draft Flip Chart notes	OR_EPA_AR_023233 - 023242
629	11/8/01	Technical Charge to Peer Review Panel for Panel Review of Draft Guidance Attachment Att. 1: Handwritten notes from Brief Appearance of Scientific Peer Review Panel Meeting	OR_EPA_AR_023243 - 023245
630	11/8/01	Summary Comments of Peer Review Panel Discussion re: Draft EPA R10 Stream Temperature Criteria	OR_EPA_AR_023246 - 023260
631	11/19/01	Notes for presentation	OR_EPA_AR_023261
632	11/27/01	Letter to John Palmer, EPA, from Lincoln C. Loehr, HellerEhrman, re: Proposed regional temperature criteria	OR_EPA_AR_023262

633	11/20/01	Email train between Dale McCullough, CRITFC, and Dru Keenan, EPA, et al, re: Trigger Terms Attachment Att. 1: 3 rd draft of EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_023263 - 023269
634	12/6/01	U.S. EPA Public Workshop Booklet re: EPA Public Workshop Attachment Att. 1: Roster of Attendees	OR_EPA_AR_023270 - 023299
635	12/11/01	Toccoa River Presentation by Geoffrey Poole, EPA	OR_EPA_AR_023300 - 023324
636	12/14/01	Email message to Dru Keenan, EPA, from Sherri Johnson, re: Peer Review	OR_EPA_AR_023325
637	12/20/01	Agenda for Regional Temperature Criteria Guidance Project Joint Policy and Technical Workgroup Meeting with handwritten notes Attachment Att. 1: Issues for the Temperature Policy Workgroup (preliminary list) and handwritten notes	OR_EPA_AR_023326 - 023329
638	12/17/01	Agenda for Water Quality Standards Discussion Group with handwritten notes	OR_EPA_AR_023330 - 023331
639	12/20/01	Draft Agenda: Regional Temperature Criteria Guidance Project Joint Policy and Temperature Workgroup Meeting	OR_EPA_AR_023332
640	12/30/01	Emailed article: Seattle Post-Intelligencer Editorial Board on Status of Salmon	OR_EPA_AR_023333 - 023335
641	12/2001	Presentation for December 2001 Workshop by Geoffrey Poole	OR_EPA_AR_023336 - 023350
2002			
642	1/8/02	Summary Comments from Peer Review Panel Discussion of 11/8/01 re: Draft of EPA R10 Stream Temperature Criteria	OR_EPA_AR_023351 - 023365

643	1/22/02	--Email to Cathy Totorici, NOAA, et al, from John Palmer, EPA, re: Materials for Temperature Policy/Technical Meeting --EPA R10 State and Tribal Guidance on Temperature Water Quality Standards, Executive Summary --A Synthesis of Key Issues Heard at Public Workshops --Initial Framing of Options for Final Design of EPA's Temperature Guidance (Draft)	OR_EPA_AR_023366 - 023390
644	1/24/02	Email to Cathy Tortorici, NOAA, et al, from John Palmer, EPA, re: Temperature Meeting Agenda	OR_EPA_AR_023391 - 023392
645	1/25/02	Chart: Water Quality Standards – Freshwater Temperature Criteria (°C) – Alternatives with handwritten notes	OR_EPA_AR_023393
646	1/25/02	Letter to Randy Smith, EPA, from Llewellyn Matthews, Northwest Pulp and Paper, re: Draft R10 Guidance for State and Tribal Temperature Water Quality Standards (10/01 public review draft) Attachment Att. 1: White Paper on Legal and Policy Concerns	OR_EPA_AR_023394 - 023413
647	1/29/02	Tasks to Finish the Temperature Guidance	OR_EPA_AR_023414 - 023415
648	2/6/02	Email to Dru Keenan, EPA, from Jeff Lockwood, NOAA re: Columbia River Runs Approach 63-Year-Old Record, 9/14/01 Columbia Basin Bulletin	OR_EPA_AR_023416 - 023419
649	2/6/02	Email to Dru Keenan, EPA, from Jeff Lockwood, NOAA, re: Record Runs: Washington Reports Mixed Salmon News	OR_EPA_AR_023420 - 023423
650	2/6/02	Email to Dru Keenan, EPA, from Jeff Lockwood, NOAA, re: Idaho Fish and Game Reports Record Salmon Runs	OR_EPA_AR_023424 - 023426
651	2/6/02	Email to Dru Keenan, EPA, from Jeff Lockwood, NOAA, re: Record Runs? Wild Salmon Still Endangered	OR_EPA_AR_023427 - 023430
652	2/6/02	Strategy for Final Phase of Temperature Project by Dru Keenan, EPA	OR_EPA_AR_023431 - 023432
653	2/7/02	EPA R10 Draft Temperature Guidance, Oct. 2001 Public Review Draft, NCASI Technical Comments	OR_EPA_AR_023433 - 023459

654	2/6/02	<p>–EPA R10 Draft Guidance State and Tribal Temperature Standards, Public Review of Draft Oct . 2000, Preview of NWPPA Comments, Key Messages and Desired Outcomes, with handwritten notes</p> <p>--Roster of Names and Organization of Participants</p> <p>–EPA R10 Draft Guidance State and Tribal Temperature Water Quality Standards, Oct. 2001 Public Review Draft, NCASI Technical Comments, with handwritten notes</p> <p>–EPA Regional Temperature Water Quality Criteria, Lega/Policy/Technical Issues and Feedback</p>	OR_EPA_AR_023460 - 023541
655	2/11/02	Draft: Evidence that Water Temperature has Contributed to Declines of Pacific NW Salmonid Fish Populations by Jeff Lockwood	OR_EPA_AR_023542 - 023546
656	2/13/02	Presentation of EPA Listed Salmon and Steelhead by NMFS	OR_EPA_AR_023547 - 023551
657	2/12/02	Roster of Participants in Public Workshop of Regional Water Temperature Guidance	OR_EPA_AR_023552 - 023556
658	2/14/02	<p>Email train between John Palmer, EPA, and Dru Keenan, et al, re: Temperature Meeting (Feb. 19th) Materials</p> <p>Attachments</p> <p>Att. 1: Major Concerns Raised Over the Draft Guidance</p> <p>Att. 2: Initial Framing of Options for Final Design of EPA's Temperature Guidance</p>	OR_EPA_AR_023557 - 023565
659	2/14/02	Email to Policy Workgroup from John Palmer, EPA, re: Upcoming Joint Technical/Policy Meeting	OR_EPA_AR_023566 - 023567
660	2/19/02	Email to Policy Workgroup from John Palmer, EPA, re: 2/19/02 Temperature Meeting	OR_EPA_AR_023568 - 023569
661	2/19/02	<p>Draft Agenda for Policy Workgroup Meeting</p> <p>Attachments</p> <p>Att. 1: Email to Cathy Tortorici, NOAA, et al, from Dru Keenan, re: 2/19/02 Temperature Meeting</p> <p>Att. 2: Draft Agenda for Policy Workgroup Meeting with handwritten notes</p> <p>Att. 3: Draft: Initial Framing of Options for Final Design of EPA's Temperature Guidance</p>	OR_EPA_AR_023570 - 023581

662	2/22/02	Dissenting Opinion on Biological Threshold Numbers proposed by Regional Temperature Criteria Development Technical Workgroup	OR_EPA_AR_023582 - 023607
663	2/20/02	Forest Service and Bureau of Land Management Comments to EPA Draft Temperature Guidance	OR_EPA_AR_023608 - 023612
664	2/21/02	Electronic Letter to L. John Iani, EPA, from John A. Kitzhaber, M.D. re: State of Oregon Comments on the Draft Guidance on State and Tribal Temperature Water Quality Standards, date 10/31/01	OR_EPA_AR_023613 - 023623
665	2/22/02	Electronic Letter to John Palmer, EPA, from Nina Bell, re: Regional Temperature Review Draft Proposed Guidance	OR_EPA_AR_023624 - 023641
666	2/22/02	Electronic Letter to John Iani, EPA, from Tom Fitzsimmons, DOE, Comment on EPA Draft Temperature Criteria Guidance Attachment Att. 1: Specific Comments on the Regional Temperature Guidance, Dept. of Ecology	OR_EPA_AR_023642 - 023651
667	2/25/02	Email to Chris Mebane, DEQ, et al, from Dale McCullough, CRITFC, re: UW Website on Regional Temperature Distribution	OR_EPA_AR_023652
668	2/2002	Workshop Summary, EPA R10 State and Tribal Guidances on Temperature Water Quality Standards	OR_EPA_AR_023653 - 023669
669	2/2002	–Draft: Application of New Approach to Water Quality Temperature Criteria, Chiwawa River Case Study –Potential Salmon and Distribution in the Chiwawa River Basin, Report Part of Temperature Case Study on Chiwawa	OR_EPA_AR_023670 - 023750
670	3/4/02	Technical Workgroup Meeting handwritten notes	OR_EPA_AR_023751 - 023754
671	3/7/02	Email to Dru Keenan, EPA, from Dale McCullough, CRITFC, re: Response to Temperature Challenges	OR_EPA_AR_023755 - 023756
672	3/8/02	Email to Don Essig, from Geoffrey Poole, EPA, re: Comments on Idaho's Dissenting Opinions	OR_EPA_AR_023757 - 023760
673	3/8/02	Email to Don Essig, DEQ, et al, from Dale McCullough, CRITFC, re: Stress Indicators, Bull Trout	OR_EPA_AR_023761 - 023763

674	3/11/02	Email train between Jason Dunham, USDAFS, and Dru Keenan, EPA, et al, re: Response to Temperature Challenges	OR_EPA_AR_023764 - 023766
675	3/15/02	Email train between Cathy Tortorici, NOAA, John Palmer, EPA, et al, re: Steps to finalize the temperature guidance	OR_EPA_AR_023767 - 023768
676	3/15/02	Email to John Palmer, EPA, and Technical Workgroup, from Geoffrey Poole, EPA, re: Final Report on Temperature Case Study on Chiwawa River Attachments Att. 1: Application of New Approaches to Water Quality Temperature Criteria, Chiwawa River Case Study Att. 2: Potential Salmonid Distributions in the Chiwawa River Basin	OR_EPA_AR_023769 - 023870
677	3/19/02	Agenda for Regional Temperature Guidance Project, Joint Policy and Technical Workgroup Meeting with handwritten notes Attachments Att. 1: Homework Items Att. 2: Theoretical SLS Application Scenarios Att. 3: Rough Timeline for Completion of Temperature Guidance Att. 4: Theoretical SLS Application Scenarios Att. 5: Rough Timeline for Completion of Temperature Guidance	OR_EPA_AR_023871 - 023876
678	3/25/02	Email to Chris Mebane, DEQ, et al, from Dale McCullough, CRITFC, re: Incredible Spring Chinook Escapement in 2001 Attachment Att. 1: Notes on bull trout growth vs. temperature at various ration levels by Dale McCullough	OR_EPA_AR_023877 - 023889
679	4/2/02	Letter to Senator Michael Crapo, from Christine Todd Whitman, EPA, re: Response to Comments from Senator Crapo	OR_EPA_AR_023890 - 023892
680	4/4/02	Changes from Draft to Proposed Final by John Palmer, EPA	OR_EPA_AR_023893 - 023894
681	4/10/02	Draft: Theoretical SLS Spatial Application Scenarios	OR_EPA_AR_023895
682	4/9/02	Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Temperature Policy/Technical Meeting this Friday	OR_EPA_AR_023896

683	4/15/02	SLS Application Options (Drafts): –Option 1: Warm Optimal SLS Range Applied in Summer –Option 2: Cold Water Patches Alternative with handwritten notes –Option 3: Incorporate Marginal/Limited Use with handwritten notes –Issues/Assumptions for All Options and handwritten notes	OR_EPA_AR_023897 - 023901
684	4/11/02	Draft Agenda for Technical Workgroup Retreat, Bull Trout Meeting Attachments Att. 1: Handwritten notes Att. 2: Final Report to the National Council of the Paper Industry for Air and Stream Improvement Att. 3: A Multiple Lines of Evidence Approach to Selecting Temperature Criteria that Fully Protect Washington's Native Char Populations Att. 4: Presentation of Bull Trout Meeting with Talking Points by Jasen Dunhanis	OR_EPA_AR_023902 - 023954
685	4/15/02	Email to Dru Keenan, EPA, from Geoffrey Poole, EPA, re: Ideas for Response to Sullivan's Approach to Temperature	OR_EPA_AR_023955 - 023956
686	4/15/02	Email to Don Essig from Geoffrey Poole, EPA, re: Interannual Variation in Stream Temperature	OR_EPA_AR_023957 - 023959
687	4/18/02	Draft: Synthesis of Public Comments on EPA's Draft Temperature Guidance	OR_EPA_AR_023960
688	4/18/02	Memo to John Palmer, EPA, from Jeff Lockwood, NMFS, re: Feedback on EPA's Proposed Framework Attachments Att. 1: Email to John Palmer, EPA, et al, from Patti Howard, CRITFC, re: Temperature Feedback and Next Meetings Att. 2: Email to John Palmer, EPA, et al, from Don Essig, DEQ, re: Temperature Feedback and Next Meetings Att. 3: Email to John Palmer, EPA, et al, from Dave Peeler, re: Temperature Feedback and Next Meetings Att. 4: Email to John Palmer, EPA, from Mark Charles, DEQ, re: Oregon DEQ Temperature Feedback	OR_EPA_AR_023961 - 023970

689	4/18/02	Comments on EPA's Proposed Framework for Temperature Guidance Attachments Att. 1: Email to John Palmer, EPA, et al, from Mark Charles, DEQ, re: comments with handwritten notes Att. 2: Email to John Palmer, EPA, et al, from Dave Peeler, re: comments with handwritten notes Att. 3: Email to John Palmer, EPA, et al, from Don Essig, re: comments with handwritten notes Att. 4: Electronic memo to John Palmer, EPA, from Jeff Lockwood, NMFS, re: comments and handwritten notes Att. 5: Email to Randy Smith, EPA, et al, from Patti Howard, CRITFC, re: comments Att. 6: Feedback on EPA's Proposed Framework for Temperature Guidance from Nez Perce and handwritten comments	OR_EPA_AR_023971 - 023981
690	4/23/02	Emailed Article: Spring Chinook Prediction Falls Short by Jonathan Brinckman	OR_EPA_AR_023982 - 023983
691	4/24/02	Email train between Geoffrey Poole, EPA, Don Essig, DEQ, et al, re: The Dworshak Effect	OR_EPA_AR_023984 - 023989
692	5/2002	EPA to Issue Second Draft of Regional Water Temperature Guidance for Public Review	OR_EPA_AR_023990 - 023992
693	5/2/02	Email to John Palmer, EPA, from Stephen Zylstra, re: Comments on New Proposed Guidance	OR_EPA_AR_023993 - 023995

694	5/2/02	<p>--Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Draft Policy/Technical Meeting Agenda for May 6th</p> <p>–Timeline for Completion of Temperature Guidance with handwritten notes</p> <p>– Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Draft Outline of Revised Temperature Guidance with attachments:</p> <p>Att.1: Temperature Guidance Outline with handwritten notes</p> <p>Att.2: Recommended Framework for Temperature Guidance</p> <p>Att. 3: SLS Application Options, Issues/Assumptions for All Options with handwritten notes</p> <p>Att. 4: Option 1: Warm Optimal SLS Range Applied in Summer with handwritten notes</p> <p>Att. 5: Option 2: Cold Water Patches Alternative with handwritten notes</p> <p>Att. 6: Option 3: Incorporate Marginal/Limited Use with handwritten notes</p> <p>–Handout B from Policy Workgroup Meeting with handwritten notes</p> <p>–Handout C from Policy Workgroup Meeting with handwritten notes</p> <p>–Handout C1 from Policy Workgroup Meeting, Bull Trout Criteria for Juvenile Rearing</p> <p>–Review of Proposed Regional Temperature Criteria by D.W. Chapman with handwritten notes</p>	OR_EPA_AR_023996 - 024030
695	5/3/02	<p>Email to John Palmer, EPA, et al, from Jeff Lockwood, NOAA, re: Draft Temperature Effects on Salmonid Populations Attachment</p> <p>Att. 1: Draft: Evidence that Altered Water Temperatures have Affected Populations of Pacific NW Salmonid Fishes by Jeff Lockwood and Dale McCullough</p>	OR_EPA_AR_024031 - 024044
696	5/3/02	Presentation of The Number for the Upper End of Optimal Temperature for Bull Trout by Jason Dunham	OR_EPA_AR_024045 - 024061
697	5/7/02	Email to Dru Keenan, EPA, et al, from Dale McCullough, CRITFC, re: Refugia	OR_EPA_AR_024062
698	5/9/02	Email to Dru Keenan, EPA, et al, from Shelly Spalding, USFWS, re: Bull Trout Panel of Experts	OR_EPA_AR_024063 - 024064
699	5/14/02	Email to Shelley Spalding, USFWS, et al, from John Palmer, EPA, re: New “Straw” SLS Criteria and Application	OR_EPA_AR_024065 - 024067

700	5/14/02	Email to John Palmer, EPA, from Dale McCullough, CRITFC, re: Elevation Based Temperature Model	OR_EPA_AR_024068 - 024069
701	5/15/02	Email train between Shelly Spalding, USFWS, and Geoffrey Poole, EPA, et al, re: Bull Trout Panel of Experts	OR_EPA_AR_024070 - 024073
702	5/15/02	Email to Geoffrey Poole, EPA, et al, from Mark Hicks, re: Bull Trout Panel of Experts	OR_EPA_AR_024074 - 024076
703	5/9/02 - 5/15/02	Discussion Questions from Shelly, Mark Hicks, Don Essig, Chris Mebane	OR_EPA_AR_024077 - 024079
704	5/3/02	Draft: Evidence that Altered Water Temperature have Affected Populations of Pacific NW Salmonid Fishes by Jeff Lockwood and Dale McCullough	OR_EPA_AR_024080 - 024107
705	5/21/02	--Agenda for Technical Meeting (handwritten notes) --Email chain between Dru Keenan, EPA, Shelly Spalding, USFWS, et al, re: Questions for meeting --Handwritten notes from technical workgroup meeting --Upper Klamath Basin presentation by Debra S. --Draft: Summary of Temperature Requirements for Indigenous Aquatic by Hicks	OR_EPA_AR_024108 - 024131
706	5/23/02	Email to Dru Keenan, EPA, et al, from Dale McCullough, CRITFC, re: Core/Marginal – thoughts Attachment Att. 1: Hypothetical Discussion of Developing Temperature Criteria Using Bull Trout Requirements as an Example by Dale McCullough	OR_EPA_AR_024132 - 024140
707	5/28/02	Email to Dru Keenan, EPA, et al, from John Palmer re: Temperature Policy/Technical Meeting Draft Agenda with handwritten notes Attachments Att. 1: Draft: SLS Criteria and Application Straw Option: strikeout version Att. 2: Draft: SLS Criteria and Application Straw Option: redline version Att. 3: Oregon Temperature Criterion for T&E Species Att. 4: Ecology Draft Standards: Concept and Alt. Draft Att. 5: Various Charts	OR_EPA_AR_024141 - 024155
708	5/30/02	Telephone Record re: Growth Temperature Studies for Bull Trout at the USFWS Bozeman Fish Technology Center	OR_EPA_AR_024156 - 024157

709	6/3/02	-Draft: Temperature Stakeholder Meetings Roster -Presentation: EPA R10 Draft Temperature Guidance	OR_EPA_AR_024158 - 024162
710	6/4/02	Draft: SLS Criteria and Application Straw Option with handwritten notes	OR_EPA_AR_024163 - 024165
711	6/10/02	Email train between Shelly Spalding and Technical Workgroup participants, re: Bull Trout Peer Review	OR_EPA_AR_024166 - 024171
712	6/17/02	Email to Dru Keenan, EPA, et al, from Debra Sturdevant, DEQ, re: Questions for Bull Trout Peer Review and handwritten notes	OR_EPA_AR_024172 - 024173
713	6/18/02	Table: Estimates of Thermal Conditions Known to Support Various Life and Biological Function of Bull Trout and Anadromous Salmon	OR_EPA_AR_024174 - 024175
714	6/18/02	Email to Dru Keenan, EPA, et al, from Debra Sturdevant, DEQ, re: Questions for Bull Trout Peer Review	OR_EPA_AR_024176 - 024179
715	6/18/02	Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Edited Version of 2 nd Draft) by Dale McCullough	OR_EPA_AR_024180 - 024204
716	6/24/02	Draft: Questions for Bull Trout Peer Review by John Palmer, EPA	OR_EPA_AR_024205 - 024207
717	6/24/02	Email to John Risely from Jeff Lockwood, re: Elevation Based Temperature Model	OR_EPA_AR_024208
718	6/26/02	Email to John Palmer, EPA, et al, from Dave Mabe, re: Updated Status on Idaho Temperature Meetings with handwritten notes	OR_EPA_AR_024209
719	6/27/02	Agenda for NWPPA River Mills Task Force Attachments Att. 1: Notes from Stakeholder Meetings on Revisions to Draft Temperature Guidance Att. 2: Attendees List	OR_EPA_AR_024210 - 024212
720	6/27/02	Draft: Bull Trout Peer Review Questions	OR_EPA_AR_024213 - 024216
721	6/27/02	Draft: Bull Trout Peer Review Questions with comments in bold print	OR_EPA_AR_024217 - 024221
722	6/27/02	Draft: Bull Trout Peer Review Questions from John	OR_EPA_AR_024222 - 024228

723	7/2/02	Bull Trout Peer Review Questions Critique and Suggestions by Dale McCullough	OR_EPA_AR_024229 - 024233
724	6/20/02	Email to Technical Workgroup from John Palmer, EPA, re: J. Risely's Proposal on Evaluation Model Attachment Att. 1: Draft USGS Proposal: Analysis of Water Temperature and Landscape Attributes to Assist the Development of Water Temperature Standards for Pacific NW States and Indian Tribes	OR_EPA_AR_024234 - 024237
725	6/02	Email to Jeff Lockwood from John Risely, re: Elevation Based Temperature Model	OR_EPA_AR_024238 - 024239
726	7/2/02	Mark Hicks' Comments on Bull Trout Peer Review Question Critique and Suggestions by Dale McCullough	OR_EPA_AR_024240 - 024244
727	7/3/02	Letter to Bull Trout Temperature Peer Review Group from Shelly Spalding, USFWS, re: questions and papers on bull trout Attachments Att. 1: Bull Trout Peer Review Questions Att. 2: Dissenting Opinion on Biological Threshold Numbers Att. 3: EPA's Proposed Recommendation Att. 4: Evaluating Standards for Protecting Aquatic Life in Washington's Surface Water Quality Standards, Temperature Criteria, Draft Att. 5: Multiple Lines of Evidence for Determining Upper Optimal Temperature Thresholds for Bull Trout	OR_EPA_AR_024245 - 024368
728	7/3/02	Methods for Delineating Users by John Palmer	OR_EPA_AR_024369
729	2002	Presentation: EPA R10 Draft Temperature Guidance, Update, with handwritten notes	OR_EPA_AR_024370 - 024371
730	6/18/02	Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, with handwritten notes Attachment Att.1: Email message from Mark Hicks to John Palmer, EPA, et al, re: Working Draft of Revised Temperature Guidance	OR_EPA_AR_024372 - 024396

731	6/18/02	Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, comments from Idaho	OR_EPA_AR_024397 - 024422
732	7/17/02	Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, handwritten comments from Jeff Lockwood, NOAA	OR_EPA_AR_024423 - 024454
733	6/18/02	Draft: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, Editorial Comments by Dale McCullough	OR_EPA_AR_024455 - 024479
734	7/12/02	Email to John Palmer, EPA, et al, from Stephen Zylstra, USFWS, re: Regional Temperature Guidance	OR_EPA_AR_024480 - 024481
735	7/12/02	Memo to John Palmer, EPA, from Mark Charles, ODEQ, re: 6/18 Working Draft Temperature Guidance	OR_EPA_AR_024482 - 024486
736	7/10/02	Memo to John Palmer, EPA, from Russell Strach, NMFS, re: Reply to your request for comments on the 6/18/02 Draft R10 Temperature Guidance	OR_EPA_AR_024487 - 024492
737	7/15/02	Memo to John Palmer, EPA, from Patti Howard and Dale McCullough, re: CRITFC Staff Comments on 2 nd Public Review Document for Draft Guidance	OR_EPA_AR_024493- 024499
738	7/31/02	Letter to John Palmer, EPA, from Don Essig, IDEQ, re: Comments on 6/18 Working Draft Temperature Guidance	OR_EPA_AR_024500 - 024504
739	8/12/02	Major Decision Regarding the Draft Temperature Guidance; comments from Idaho	OR_EPA_AR_024505 - 024508
740	4/17/03	Email from John Palmer, EPA, requesting HQ review of acknowledgments page	OR_EPA_AR_024509 - 024510
741	8/12/02	Memo to Dru Keenan, EPA, from Jeff Lockwood, NMFS, re: Comments on the EPA document: Major Decisions Regarding the Draft Temperature Guidance (8/5/02)	OR_EPA_AR_024511 - 024513
742	7/10/02	Memo to John Palmer, EPA, from Russell Strach, NMFS, re: Reply to Your Request for Comments on Draft R10 Temperature Guidance	OR_EPA_AR_024514 - 024520
743	7/12/02	Memo to John Palmer, EPA, from Mark Charles, ODEQ, re: 6/18 Working Draft Temperature Guidance	OR_EPA_AR_024521 - 024525

744	7/15/02	Memo to John Palmer, EPA, from Patti Howard and Dale McCullough, re: CRITFC Staff Comments on Draft R10 Temperature Guidance	OR_EPA_AR_024526 - 024532
745	7/12/02	Email to John Palmer, EPA, et al, from Stephen Zylstra, USFWS, re: Regional Temperature Guidance Comments	OR_EPA_AR_024533 - 024535
746	7/29/02	Email to John Palmer, EPA, et al, from Ann Goos, re: Notes from our meeting on July 17 th Attachment Att. 1: EPA Meeting with Representatives of the Forestry Sector - Temperature Guidance Project: July 17, 2002	OR_EPA_AR_024536 - 024544
747	8/6/02	Memo to John Palmer, EPA, from Dale McCullough, CRITFC, re: Email from J. Palmer, "Mulling over the Metric"	OR_EPA_AR_024545 - 024547
748	8/5/02	Email to Policy Workgroup from John Palmer, EPA, re: Major Decisions Attachment Att. 1: Major Decisions Regarding the Draft Temperature Guidance	OR_EPA_AR_024548 - 024549
749	8/6/02	Email to Technical Workgroup from John Palmer, EPA, re: Temperature Metric	OR_EPA_AR_024550
750	8/9/02	Email to John Palmer, EPA, from Don Essig, re: Temperature Metric Attachment Att. 1: Issues Related to Temperature Measurement and Monitoring	OR_EPA_AR_024551 - 024574
751	8/9/02	Email to John Palmer, EPA, from Jason Dunham, re: Temperature Metric	OR_EPA_AR_024575 - 024577
752	8/9/02	Additions for Revisions to 2 nd Draft Guidance by Dru Keenan	OR_EPA_AR_024578
753	8/9/02	Email to Workgroup from D. Sturdevant, re: Temperature Metric Attachment -graphs (2)	OR_EPA_AR_024579 - 024584
754	8/12/02	--Temperature Meeting Roster with handwritten notes -Presentation: EPA R10 Draft Temperature Guidance with handwritten notes	OR_EPA_AR_024585 - 024591
755	8/12/02	Memo to Dru Keenan, EPA, from Jeff Lockwood, NMFS, re: Comments on EPA document Major Decisions Regarding the Draft Temperature Guidance	OR_EPA_AR_024592 - 024594
756	8/12/02	Major Decisions Regarding the Draft Temperature Guidance with comments	OR_EPA_AR_024595 - 024598

757	8/13/02	Letter to Randall Smith, EPA, from D. Robert Lohn, NOAA, re: Reinitiation of Formal Consultation on EPA's Approval of Oregon's Water Quality Standards for Dissolved Oxygen, Temperature, and Ph, and Accompanying Conservation Measures	OR_EPA_AR_024599 - 024600
758	8/17/02	Letter to Randy Smith, EPA, from Geoffrey Poole, Ecometrics, Inc., re: comments	OR_EPA_AR_024601 - 024604
759	8/19/02	Draft Table of Thresholds Per Life History Stage	OR_EPA_AR_024605 - 024608
760	8/20/02	Outline for the Addition to the Modeling Text by John Palmer	OR_EPA_AR_024609
761	8/20/02	Outline for Restoration Strategies by John Palmer	OR_EPA_AR_024610
762	8/20/02	Guidance Page 3 Insert	OR_EPA_AR_024611
763	8/22/02	Draft Language on Modeling Requirement	OR_EPA_AR_024612 - 024620
764	8/29/02	Comments on August 29, 2002 2 nd Public Review Draft of EPA R10 Temperature Guidance by Don Essig, IDEQ	OR_EPA_AR_024621 - 024623
765	8/29/02	Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Revised Temperature Guidance Attachments Att. 1: Draft EPA R10 Guidance with handwritten notes Att. 2: Email to Kerianne Gardner, EPA, et al, from Jannine Jennings, EPA, re: Some numbers on Oregon's Draft 303(d) List	OR_EPA_AR_024624 - 024656
766	8/29/02	Comments from Mark Hicks on Draft EPA R10 Guidance for Temperature Guidance with handwritten notes	OR_EPA_AR_024657 - 024686
767	9/12/02	Email to Dru Keenan, EPA, et al, from John Palmer, EPA, re: Tomorrow's (9/13) Temperature Meeting	OR_EPA_AR_024687 - 024688
768	9/12/02	Notes on R10 Temperature Criteria Guidance Project Attachment Att. 1: EPA to Issue Second Draft of Regional Water Temperature Guidance for Public Review announcement	OR_EPA_AR_024689 - 024692

769	9/12/02	Email to Dru Keenan, EPA, et al, from Dale McCullough, CRITFC, re: Tomorrow's (9/13) Temperature Meeting Attachment Att. 1: Comments by Dale McCullough (CRITFC technical input) on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_024693 - 024705
770	9/12/02	Comments by Dale McCullough (CRITFC technical input) on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards with handwritten notes	OR_EPA_AR_024706 - 024717
771	9/16/02	Email to John Palmer, EPA, from Shelly Spalding, USFWS, re: Comments on 2 nd draft of Temperature Guidance with handwritten notes	OR_EPA_AR_024718
772	9/18/02	Temperature Graphs with Average Expected Performance	OR_EPA_AR_024719 - 024722
773	9/19/02	Email to Technical Workgroup from Shelly Spalding, re: Summary of Bull Trout Peer Review Attachment Att. 1: Bull Trout Temperature Criteria Peer Review Panel	OR_EPA_AR_024723 - 024736
774	9/19/02	Bull Trout Temperature Thresholds Peer Review Summary prepared by Christopher A. Myrick, USFWS	OR_EPA_AR_024737 - 024750
775	9/23/02	Agenda for Temperature Project Meeting with handwritten notes	OR_EPA_AR_024751
776	9/24/02	Memo to John Palmer, EPA, et al, from Patti Howard (Watershed) and Dale McCullough (Fish Science), re: EPA R10 Temperature Guidance Staff Comments with handwritten notes	OR_EPA_AR_024752 - 024757
777	9/24/02	Memo to John Palmer, EPA, et al, from Patti Howard (Watershed) and Dale McCullough (Fish Science), re: EPA R10 Temperature Guidance Staff Comments with handwritten notes	OR_EPA_AR_024758 - 024762
778	9/24/02	Letter to D. Robert Lohn, NMFS, from Randall Smith, EPA, re: Reinitiation of Formal Consultation on EPA's Approval of Oregon's Water Quality Standards	OR_EPA_AR_024763 - 024766
779	9/24/02	Big Issues and Recommended Changes to 8/29/02 Draft by John Palmer, EPA	OR_EPA_AR_024767 - 024768
780	9/26/02	Email to John Palmer, EPA, from Dale McCullough, CRITFC, re: One Additional Edit	OR_EPA_AR_024769

781	9/30/02	Section V.1.2. Discussion of Use and Criteria Presented in Table 3, Bull Trout Juvenile Rearing	OR_EPA_AR_024770 - 024779
782	10/1/02	Memo to John Palmer, EPA, et al, from Debra Sturdevant, DEQ, re: EPA Temperature Guidance, August 29 Working Draft and September 30 Revisions with handwritten notes	OR_EPA_AR_024780 - 024783
783	10/1/02	Email to Dru Keenan, EPA, et al, from Stephen Zylstra, USFWS, re: Emailed Comments on Pre-Released Version of 2 nd Draft Temperature Guidance	OR_EPA_AR_024784 - 024790
784	10/1/02	Memo to John Palmer, EPA, et al, from Debra Sturdevant, DEQ, re: EPA Temperature Guidance, August 29 Working Draft and September 30 Revisions	OR_EPA_AR_024791 - 024794
785	10/3/02	Email to Policy Workgroup from John Palmer, EPA, re: Policy Call	OR_EPA_AR_024795
786	10/3/02	Email to John Palmer, EPA, from Mark Hicks, re: Revised Temperature Guidance – Feedback Attachment Att. 1: Comments on Draft Temperature Guidance	OR_EPA_AR_024796 - 024826
787	10/3/02	Email to John Palmer, EPA, from Jeff Lockwood, NMFS, re: Pre-release version of 2 nd Draft Temperature Guidance	OR_EPA_AR_024827 - 024828
788	10/4/02	Memo to John Palmer, EPA, et al, from Patti Howard and Dale McCullough, re: Staff Concerns Regarding Public Release of EPA R10 Temperature Guidance Attachments Att. 1: Memo to John Palmer, EPA, et al, from Patti Howard and Dale McCullough, re: Staff Concerns Regarding Public Release of EPA R10 Temperature Guidance; staff comments Att. 2: Comments by Dale McCullough (CRITFC technical input) on Draft R10 Temperature Guidance (9/12/02)	OR_EPA_AR_024829 - 024845
789	2002	Presentation: EPA R10 Draft Temperature Guidance, Overview of 2 nd Public Review Draft	OR_EPA_AR_024846 - 024847
790	2002	Public Review: EPA Issues Second Draft of Regional Water Temperature Guidance for Public Review	OR_EPA_AR_024848 - 024850
791	10/02	Announcement: EPA Issues Second Draft of Regional Water Temperature Guidance for Public Review	OR_EPA_AR_024851 - 024853

792	10/10/02	Draft: EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft	OR_EPA_AR_024854 - 024890
793	10/10/02	Letter to Ernest Stensgar, Coeur d'Alene Tribal Council, from L. John Iani, EPA, re: Revised Draft of EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_024891
794	10/10/02	Email notice re: Availability of 2 nd Draft of Temperature Guidance for Review and Announcement of Workshops	OR_EPA_AR_024892
795	2002	Synopsis of Comments on EPA R10 Guidance on State and Tribal Temperature Water Quality Standards, Second Draft	OR_EPA_AR_024893 - 024904
796	2002	Draft Comment Summary on EPA R10 Guidance on State and Tribal Temperature Water Quality Standards, Second Draft	OR_EPA_AR_024905 - 024941
797	11/21/02	Email to John Palmer, EPA, from Patti Howard, re: Comments on Questions for Peer Review Panel	OR_EPA_AR_024942
798	11/21/02	Email to John Palmer, EPA, from Jason Dunham, re: Response to Request for Questions for Peer Review Panel	OR_EPA_AR_024943
799	10/22/02	Email to EPA National Water Quality Standards Coordinators from Dru Keenan, EPA, re: Draft Temperature Guidance	OR_EPA_AR_024944
800	11/26/02	Electronic letter to John Palmer, EPA, from Joan Crooks, re: 2 nd Draft of Regional Water Temperature Guidance	OR_EPA_AR_024945 - 024948
801	11/26/02	Electronic letter to Randy Smith, EPA, from Michael Llewelyn, re: Comments on 2 nd Draft of Regional Water Temperature Guidance	OR_EPA_AR_024949 - 024954
802	11/26/02	Questions for the Scientific Peer Review Panel, EPA's 2 nd Draft Temperature Guidance, by John Palmer, EPA	OR_EPA_AR_024955 - 024957
803	11/26/02	Email to Technical Workgroup from John Palmer, EPA, re: Peer Review Panel Meeting of 12/3/02	OR_EPA_AR_024958
804	11/26/02	Comments on Draft of Response to Letter from Oregon Forest Industry Commission (OFIC)	OR_EPA_AR_024959 - 024962

805	12/3/02	Summary of Scientific Peer Review Discussion Concerning U.S. EPA R10 Guidance for Stream Temperature Water Quality Standards Attachment Att. 1: summary	OR_EPA_AR_024963 - 024982
806	11/6/02	Original Transcript of Public Meeting: In the Matter of EPA Issues, 2 nd Draft of Regional Water Temperature Guidance for Public Review (3 copies)	OR_EPA_AR_024983 - 025224*
807	11/7/02	Copy of Transcript: EPA R10 Draft Temperature Guidance, Overview of 2 nd Public Review Draft (3 copies)	OR_EPA_AR_025225 - 025382 *
808	11/15/02	Copy of Transcript: Temperature Criteria Workshop before Randy Smith, EPA, David Mabe, IDEQ (3 copies)	OR_EPA_AR_025383 - 025618 *
809	11/6/02	EPA Regional Water Temperature Guidance Public Meeting Attendance Sheets	OR_EPA_AR_025619 - 025622
810	11/7/02	EPA Regional Water Temperature Guidance Public Meeting Attendance Sheets	OR_EPA_AR_025623 - 025627
811	11/3/02	Fax to John Palmer, EPA, et al, from Emily Charoglu, Envirolssues, re: Sign-in Sheets from Temperature Criteria Workshop	OR_EPA_AR_025628 - 025632
812	11/15/02	Email to Technical Workgroup from John Palmer, EPA, re: Questions for Peer Review Panel's Review of 2 nd Draft of Temperature Guidance	OR_EPA_AR_025633
813	11/18/02	Email to John Palmer, EPA, from Don Essig, re: 2 nd Response to Questions for Peer Review Panel	OR_EPA_AR_025634
814	11/18/02	Email to John Palmer, EPA, from Don Essig, re: Response to Request for Questions for Peer Review Panel	OR_EPA_AR_025635
815	11/18/02	Email to John Palmer, EPA, from Shelly Spalding, re: Response to Request for Questions for Peer Review Panel	OR_EPA_AR_025636 - 025637
816	11/18/02	Email to John Palmer, EPA, from Dale McCullough, re: Response to Request for Peer Review Panel	OR_EPA_AR_025638 - 025639
817	11/21/02	Email to John Palmer, EPA, from Dale McCullough, re: Response on Questions for Peer Review Panel	OR_EPA_AR_025640 - 025641

818	11/21/02	Questions for the Scientific Peer Review Panel, EPA's 2 nd Draft Temperature Guidance by John Palmer, EPA	OR_EPA_AR_025642 - 025644
819	11/26/02	Electronic letter to John Iani, EPA, from Don Sampson, re: Columbia River Inter-Tribal Fish Commission (CRITFC) Comments on Draft EPA R10 Temperature Guidance	OR_EPA_AR_025645 - 025654
820	11/26/02	Questions for the Scientific Peer Review Panel, EPA's 2 nd Draft Temperature Guidance	OR_EPA_AR_025655 - 025658
821	11/27/02	Electronic letter from Brent Foster, Attorney, to John Palmer, EPA, re: Comments on 2 nd Draft EPA R10 Temperature Guidance	OR_EPA_AR_025659 - 025665
822	12/9/02	Electronic memo to Policy Workgroup from John Palmer, EPA, re: ESA/Service Endorsement of Temperature Guidance	OR_EPA_AR_025666 - 025669
823	2/27/03	Email to John Palmer, EPA, from Elizabeth Materna, re: A Few Minor Editorial Comments	OR_EPA_AR_025670
824	12/13/02	Highlights of Stakeholder Comments on 2 nd Draft of Temperature Guidance Attachments Att. 1: Policy Workgroup Highlights Att. 2: Some Key Issues Raised at Public Workshops	OR_EPA_AR_025671 - 025677
2003			
825	1/6/03	Major Comments on 2 nd Draft of Temperature Guidance	OR_EPA_AR_025678 - 025682
826	1/7/03	Major Comments (categorized) on 2 nd Draft of Temperature Guidance	OR_EPA_AR_025683 - 025689
827	1/15/03	Draft Comment Summary re: EPA R10 Temperature Guidance	OR_EPA_AR_025690 - 025728
828	1/16/03	Draft: Possible Changes to Temperature Guidance	OR_EPA_AR_025729 - 025734
829	1/23/03	Email to Marianne Deppman, EPA, et al, from John Palmer, EPA, re: Temperature Meeting Agenda and other Materials	OR_EPA_AR_025735 - 025736
830	1/23/03	Email to Policy Workgroup from John Palmer, EPA, re: Upcoming Meeting on Draft Guidance	OR_EPA_AR_025737 - 025738

831	1/23/03	Email to Policy Workgroup from John Palmer, EPA, re: Policy Workgroup Attachment Att.1: Adoption of Mixing Zone Provisions to Protect Salmonids	OR_EPA_AR_025739 - 025748
832	2/9/03	Draft Review of WA Proposed WQS for Issues Addressed in EPA's Temperature Guidance by John Palmer, EPA	OR_EPA_AR_025749 - 025750
833	2/14/03	Draft: EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards with comments from Dale	OR_EPA_AR_025751 - 025798
834	2/14/03	Draft EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards	OR_EPA_AR_025799 - 025846
835	3/03	EPA R10 Draft Temperature Guidance: Overview	OR_EPA_AR_025847 - 025859
836	3/11/03	Draft EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards	OR_EPA_AR_025860 - 025908
837	3/11/03	Draft: EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standard with comments from Don Essig	OR_EPA_AR_025909 - 025958
838	3/17/03	Email to John Palmer, EPA, et al, from Jeff Lockwood, NOAA, re: Forward Comment on Temperature Guidance	OR_EPA_AR_025959 - 025960
839	3/24/03	First Cut at Responses to Major Comments on 2 nd Draft of Temperature Guidance	OR_EPA_AR_025961 - 025965
840	2003	Public Comment Summary	OR_EPA_AR_025966 - 025972
841	4/03	EPA R10 Temperature Guidance Overview	OR_EPA_AR_025973 - 025986
842	4/15/03	Draft: Five Key Questions and Responses by John Palmer, EPA	OR_EPA_AR_025987 - 025989
843	4/21/03	Faxed Document: Comments from NMFS–Oregon Habitat Branch on EPA R10 Temperature Guidance	OR_EPA_AR_025990 - 026000
844	4/21/03	Letter to John Iani, EPA, from David Wesley, USDOl, re: USFWS Comments and Assurances on Final Temperature Guidance	OR_EPA_AR_026001 - 06003

845	4/23/03	Letter to John Iani, EPA, from Robert Lohn, NMFS-NOAA, re: Comments and Assurances on Final Temperature Guidance	OR_EPA_AR_026004 - 026006
846	4/29/03	Press Release from CRITFC on Temperature Guidance	OR_EPA_AR_026007 - 026008
847	4/2003	EPA Fact Sheet: EPA Issues Final Water Temperature Guidance	OR_EPA_AR_026009 - 026010
848	2003	Table 3: Recommended Criteria that Apply to Summer Maximum Temperatures	OR_EPA_AR_026011
849	4/21/03	Final Draft: EPA R10 Guidance for Pacific NW State and Tribal Temperature Water Quality Standards with comments from Dale McCullough	OR_EPA_AR_026012 - 026070
850	4/03	EPA Fact Sheet: EPA Issues Final Water Temperature Guidance	OR_EPA_AR_026071 - 026072
851	4/23/03	Letter to John Iani, EPA, from D. Robert Lohn, NOAA, re: Comments on EPA's Temperature Guidance	OR_EPA_AR_026073 - 026075
852	5/1/03	Notice on Temperature Guide from Office of Standard and Technology Newsletter	OR_EPA_AR_026076
853	5/26/03	Draft: Recent Record Salmon Runs, Are We Out of the Woods? by Derek Poon, EPA	OR_EPA_AR_026077 – 026087
854	6/6/03	-Map: Coho Distribution and Stream Use in the Umpqua Basin -Map: Fall Chinook Distribution and Stream Use in the Umpqua Basin	OR_EPA_AR_026088 - 026089
Undated			
855	undated	Draft Agenda for EPA Temperature Guidance Meeting with handwritten notes	OR_EPA_AR_026090 - 026091
856	undated	Questions for the Technical Workgroup with Regard to Options and Debra's Suggested Questions	OR_EPA_AR_026092
857	undated	The Case for Regime-Based Water Quality Standards by Geoffrey C. Poole, Jason B. Dunham, et al	OR_EPA_AR_026093 - 026110
858	undated	Agenda for Temperature Policy Workgroup Policy Call	OR_EPA_AR_026111
859	undated	Summary of Key Issues from Temperature Policy Meeting	OR_EPA_AR_026112
860	undated	Figures of Umatilla River Corridor	OR_EPA_AR_026113 - 026115

861	undated	Graphs on Metrics by Jason Dunham	OR_EPA_AR_026116
862	undated	Members of the Temperature Project Policy Workgroup	OR_EPA_AR_026117
863	undated	Excerpt from a Report on Bull Trout Distribution	OR_EPA_AR_026118
864	undated	Bull Trout Peer Reviewers Contact Information	OR_EPA_AR_026119 - 026120
Public Comments: 1st Draft of Regional Water Temperature Guidance			
865	2/22/02	Commenter Identification for Draft Comment Summary Table on Draft EPA R10 Guidance on State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026121 - 026158
866	2/27/02	Letter to Randy Smith, EPA, from Cynthia U. Barry, USFWS, re: draft temperature criteria guidance	OR_EPA_AR_026159 - 026164
867	2/21/02	Letter to L. John Iani, Regional Administrator, EPA, from John A. Kitzhaber, M.D., State of Oregon, re: State of Oregon Comments on the Draft Guidance on State and Tribal Temperature Water Standards, dated 10/31/01	OR_EPA_AR_026165 - 026175
868	2/22/02	Letter to L. John Iani, Regional Administrator, EPA, from Tom Fitzsimmons, Director, WDOE, re: EPA Draft Temperature Criteria	OR_EPA_AR_026176 - 026205
869	2/21/02	Letter to John Palmer, EPA, from Dirk Kempthorne, Governor, ID, re: Idaho Comments on EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards Attachments: Att. 1: Letter to John Palmer, EPA, from James L. Caswell, Office of Species Conservation, re: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards Att. 2: Dept. Of Fish and Game Att. 3: Dept. Of Water Resources Att. 4: Dept. Of Agriculture Att. 5: Dept. Of Lands Att. 6: Soil Conservation Comments	OR_EPA_AR_026206 - 026230

870	2/22/02	Letter to John Iani, R10 Administrator, from Don Sampson, Executive Director, Columbia River Inter-Tribal Fish Commission (CRITFC) Attachments: Att. 1: 2002 Winter Conference Portland, OR, "Water Temperature Criteria Guidance" Preamble Att. 2: CRITFC Formal Comments, 2/21/02	OR_EPA_AR_026231 - 026245
871	2/20/02	Letter to John Palmer, EPA, from Samuel N. Penney, Chairman, Nez Perce Tribal Executive Committee, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026246 - 026252
872	2/19/02	Letter to Christie Whitman, Administrator, EPA, from Mike Crapo, Ranking Member, Subcommittee on Fisheries, Wildlife, and Water, Gordon H. Smith, U.S. Senator, and Larry E. Craig, U.S. Senator, re: Draft Guidance on Water Quality Standards for Temperature	OR_EPA_AR_026253 - 026254
873	2/22/02	Northwest Pulp and Paper Association Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, Oct. 2001)	OR_EPA_AR_026255 - 026360
874	2/22/02	Electronic letter to John Palmer, EPA, from Nina Bell, Executive Director, re: Regional Temperature Review Draft Proposed Guidance	OR_EPA_AR_026361 - 026378
875	2/22/02	Letter to John Palmer, EPA, from Brent Foster, Attorney for Willamette Riverkeeper and Columbia Riverkeeper, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026379 - 026393
876	2/14/02	Letter to John Palmer, EPA, from LeeAnne Beres, Save Our Wild Salmon, re: Response to Draft EPA Regional Water Temperature Standards	OR_EPA_AR_026394 - 026395
877	2/15/02	Letter to John Palmer, EPA, from Edward M. Henderson, Jr., The Mountaineers, re: Draft Regional Temperature Standards	OR_EPA_AR_026396 - 026397
878	2/22/02	Letter to John Palmer, EPA, from Patricia Sumption, Water and Salmon Committee, Sierra Club Cascade Chapter, re: Response to Draft EPA Regional Water Temperature Standards	OR_EPA_AR_026398

879	2/22/02	Letter to John Palmer, EPA, from Jane A. Gorsuch, Intermountain Forest Association, re: Review of Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01)	OR_EPA_AR_026399 - 0263401
880	2/20/02	Letter to John Iani, Regional Administrator, EPA, from Thomas L. Partin, American Forest Resource Council, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026402 - 026406
881	2/19/02	Letter to John Palmer, EPA, from Jeff Light, Plum Creek, re: Review of Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01)	OR_EPA_AR_026407 - 026419
882	2/21/02	Letter to John Palmer, EPA, from Carol A. Whitaker, Georgia-Pacific, re: Comments on EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026420 - 026422
883	2/15/02	Letter to John Palmer, EPA, from Reid Saito, Malheur County Onion Growers Association, re: Draft EPA R10 Guidelines	OR_EPA_AR_026423
884	2/22/02	Letter to John Palmer, EPA, from Michael B. White, Dept. of the Army, re: Comments Concerning EPA R10 Draft Water Temperature Guidance for State and Tribal Water Quality Standards	OR_EPA_AR_026424 - 026425
885	2/21/02	Letter to John Palmer, EPA, from Lisa Freedman, Acting Director, Natural Resources, and Edward W. Shepard, Deputy State Director for Resource Planning, Use and Protection, re: Comments from Pacific Northwest Region of the USDA Forest Service and Oregon State Office of the Bureau of Land Management on Draft Temperature Guidance from EPA R10 Attachments: Att. 1: Forest Service and Bureau of Land Management Comments to the EPA Draft Temperature Guidance	OR_EPA_AR_026426 - 026431
886	2/22/02	Letter to John Palmer, EPA, from Bradley E. Powell, Regional Forester, USDA, Forest Service, re: EPA R10 Draft Temperature Guidelines	OR_EPA_AR_026432 - 026433
887	2/19/02	Letter to John Palmer, EPA, from Sara S. Kendall, Weyerhaeuser, re: Draft Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026434 - 026438

888	2/21/02	Letter to John Palmer, EPA, from Brad Harper, Water for Life, Inc., re: EPA Temperature Guidance Comments	OR_EPA_AR_026439 - 026455
889	2/21/02	Letter to John Palmer, EPA, from Craig Smith, Northwest Food Processors Association, re: R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026456 - 026459
890	2/21/02	Letter to John Palmer, EPA, from William A. Dryden, Boise Cascade Corporation, re: EPA Draft Temperature Guidelines Attachments: Att. 1: Comments prepared by Dr. Robert Daehy Att. 2: Selected Sections of Analysis and Comments Att. 3: ODEQ Fact Sheet	OR_EPA_AR_026460 - 026482
891	2/22/01	Letter to John Palmer, EPA, from Mona Peterson, Idaho Women in Timber, re: Draft Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026483
892	2/1/02	Letter to John Palmer, EPA, from Justin Hayes, Idaho Conservation League, re: Comments on the Draft EPA R10 Guidance for State and Tribal Water Quality Standards	OR_EPA_AR_026484 - 026492
893	2/19/02	Letter to John Palmer, EPA, from Kathy Pratt, Malheur Watershed Council, re: EPA's Draft Temperature Guidance	OR_EPA_AR_026493 - 026494
894	2/21/02	Letter to John Palmer, EPA, from Craig Nelson, Potlatch Corporation, re: Draft EPA R10 Guidance for State and Tribal Water Quality Standards ("Draft Guidance")	OR_EPA_AR_026495 - 026497
895	2/19/02	Letter to Randy Smith, EPA, from Liz Sedler, Alliance for the Wild Rockies, re: Comments on EPA R10 Draft Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026498 - 026503
896	2/12/02	Letter to John Palmer, EPA, from Bill Mulligan, Three Rivers Timber, Inc., re: Draft Temperature Guidance	OR_EPA_AR_026504 - 026505
897	2/22/02	Letter to John Palmer, EPA, from Alan L. Prouty, Simplot Corporate HQ, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026506 - 026528

898	2/19/02	Letter to John Palmer, EPA, from Nate Marvin, City of Weiser, ID, re: Comment on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026529
899	2/22/02	Letter to John Palmer, EPA, from Richard R. Rush, Idaho Association of Commerce and Industry, re: Comments pertaining to EPA draft guidance for developing water quality standards for temperature that protect native salmonids in the Pacific Northwest	OR_EPA_AR_026530 - 026532
900	2/21/02	Letter to John Palmer, EPA, from Bill Sedivy, Idaho Rivers United, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026533 - 026534
901	2/22/02	Letter to John Palmer, EPA, from Stuart Hardegree, USDA, re: Comments on Draft EPA Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026535 - 026536
902	3/7/02	Letter to John Palmer, EPA, from Susan Giannettino, U.S. Dept.of Interior, Bureau of Land Management, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026537 - 026538
903	2/22/02	Letter to John Palmer, EPA, from Keith R. Frank, Potato Growers of Idaho, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026539
904	2/22/02	Letter to John Palmer, EPA, from Arleen Pence, Idaho Forest Owners Association, re: Draft Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026540
905	2/22/02	Letter to John Palmer, EPA, from Frank Priestly, President, Idaho Farm Bureau Federation, re: Comments regarding the "EPA Draft Guidance for Developing Water Quality Standards for Temperature"	OR_EPA_AR_026541 - 026542
906	2/22/02	Letter to John Palmer, EPA, from Roger Stutzman, Idaho Association of Soil Conservation Districts, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026543
907	2/22/02	Letter to John Palmer, EPA, from Norman M. Semanko, Idaho Water Users Association, Inc., re: Draft Regional Water Temperature Guidance	OR_EPA_AR_026544 - 026547
908	2/22/02	Email to John Palmer, EPA, from Pat Barclay, Idaho Council on Industry and the Environment, re: Comments on Temperature Guidance Document	OR_EPA_AR_026548 - 026549

909	2/22/02	Letter to John Palmer, EPA, from Ken Harward, Association of Idaho Cities, re: Comments on R10 Draft Temperature Guidance Document	OR_EPA_AR_026550 - 026561
910	2/22/02	Letter to John Palmer, EPA, from James C. Tucker, Idaho Power, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026562 - 026579
911	2/22/02	Letter to John Palmer, EPA, from Dave Nelson, Idaho Cattle Association, re: EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026580 - 026581
912	2002	House of Representatives, House Joint Memorial No. 18, re: EPA Draft Temperature Guidance Document for Public Comment	OR_EPA_AR_026582 - 026583
913	3/19/02	Letter to John Palmer, EPA, from Bill Worchester, Oregon Association of County Engineers and Surveyors, re: Comments on EPA's Draft Temperature Guidance	OR_EPA_AR_026584 - 026586
914	2/22/02	Letter to John Palmer, EPA, from Chris Jarmer, Oregon Forest Industries Council, re: Review of the Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01) Attachments: Att. 1: Legal Review Att. 2: Policy Review Att. 3: Technical Review	OR_EPA_AR_026587 - 026647
915	2/21/02	Letter to John Palmer, EPA, from Janet A. Gillaspie, Oregon Association of Clean Water Agencies, re: Comments on Draft Regional Temperature Criteria	OR_EPA_AR_026648 - 026657
916	2/19/02	Letter to John Palmer, EPA, from William Burich, Chiquita Processed Foods, LLC, re: EPA R10 Draft Temperature Guidance	OR_EPA_AR_026658 - 026659
917	2/4/02	Letter to John Iani, EPA, from Gordon Ross, Coos Bay, OR, re: Comments on EPA Draft Temperature Guidance	OR_EPA_AR_026660
918	1/21/02	Letter to Mark D. Charles, ODEQ, cc: John Palmer, EPA, from Walt Schroeder, Gold Beach, OR, re: Draft Temperature Guidance Attachments: Att. 1: 12/13/01 Letter to ODEQ on Draft Temperature Guidance Att. 2: 1/15/02 Letter to Walt Schroeder from ODEQ	OR_EPA_AR_026661 - 026667

919	2/22/02	Letter to Dru Keenan, EPA, from John Ledger, Associated Oregon Industries, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (10/01)	OR_EPA_AR_026668 - 026670
920	2/22/02	Letter to John Palmer, EPA, from Mark W. Nelson, Oregon Metals Industry Council, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (10/01)	OR_EPA_AR_026671
921	2/22/02	Letter to John Palmer, EPA, from Anita Winkler, Oregon Water Resources Congress, re: Response to Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards with attachment Att. 1: Addendum to Letter from the Oregon Water Resources Congress	OR_EPA_AR_026672 - 026678
922	2/20/02	Letter to John Palmer, EPA, from Michael S. Kuenzi, City of Klamath Falls, Will Haapala, City of Klamath Falls, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards with attachment Att. 1: Attainability	OR_EPA_AR_026679 - 026684
923	2/22/02	Letter to John Palmer, EPA, from James Desmond, Owyhee County Natural Resources Committee, re: Draft EPA R10 Guidance for State and Tribal Temperature Water	OR_EPA_AR_026685 - 026688
924	2/22/02	Letter to John Palmer, EPA, from Terry Flores, PacifiCorp, re: PacifiCorp's Comments on EPA R10's Guidance for State and Tribal Temperature Water Quality Standards (10/01 Draft)	OR_EPA_AR_026689 - 026692
925	2/21/02	Letter to John Palmer, EPA, from LeeRoy Horton, Fort Rock/Silver Lake Soil and Water Conservation District, re: St. Of OR temperature standards for streams	OR_EPA_AR_026693 - 026695
926	2/8/02	Letter to John Iani, Regional Administrator, EPA, from Senator Ted Ferrioli, OR, and Representative Betsy Close, OR, re: Draft EPA R10 Guidance for State and Tribal Water Quality Standards	OR_EPA_AR_026696 - 026697
927	undated	Comments on EPA Temperature Guidance from Oregon's Cattlemen's Association by Pat Larson, Vice-Chair, Water Committee, and Susie Hammand, Chair, Water Committee, re: Comments on EPA's Draft Temperature Guidance	OR_EPA_AR_026698 - 026711

928	2/22/02	Letter to John Palmer, EPA, from Peter S. Test, Oregon Farm Bureau Federation, re: Review of the Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01)	OR_EPA_AR_026712 - 026717
929	undated	Comments on the Draft EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards from Wallowa County Board of Commissioners, State of Oregon	OR_EPA_AR_026718 - 026721
930	2/14/02	Letter to John Palmer, EPA, from Dr. Clinton C. Shock, Ontario, OR, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026722 - 026725
931	2/19/02	Letter to John Palmer, EPA, from Owyhee Watershed Council, re: Public Comment on EPA's Draft Temperature Guidance	OR_EPA_AR_026726
932	2/1/02	Email to John Palmer, EPA, from Larry Lamperti, re: Water Quality Standards	OR_EPA_AR_026727 - 026730
933	2/22/02	Letter to John Palmer, EPA, from Ann Goos, Washington Forest Protection Association, re: Review of the Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01) Attachment Att. 1: Comments	OR_EPA_AR_026731 - 026770
934	2/22/02	Letter to John Palmer, EPA, from Hertha L. Lund, Washington State Farm Bureau, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01)	OR_EPA_AR_026771 - 026773
935	2/21/02	Letter to John Palmer, EPA, from Roy G. Metzgar, Everett Public Works, re: Proposed guidance for regional water temperature - review comments Attachment Att. 1: Comments	OR_EPA_AR_026774 - 026787
936	2/19/02	Letter to John Palmer, EPA, from John Gorman, Simpson, re: Comments on EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026788 - 026789
937	2/22/02	Letter to John Palmer, EPA, from Blake S. Rowe, Longview Fibre Company, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, 10/01)	OR_EPA_AR_026790 - 026792

938	2/4/02	Letter to John Palmer, EPA, from Harry Bell, Green Crow, re: Draft Guidance for State and Tribal Temperature Water Quality Standards Attachment Att. 1: Fact Sheet	OR_EPA_AR_026793 - 026798
939	2/14/02	Letter to John Palmer, EPA, from Joan Crooks, Washington Environmental Council, re: EPA Regional Temperature Guidance with attachment Att. 1: Comments	OR_EPA_AR_026799 - 026805
940	2/22/02	Letter to John Palmer, EPA, from Robert W. Clubb, Ph.D., Public Utility District No. 1 of Douglas County, re: Comments on EPA R10 Draft Temperature Guidelines	OR_EPA_AR_026806 - 026807
941	2/22/02	Letter to John Palmer, EPA, from Nels Hanson, Washington Farm Forestry Association, re: Comments	OR_EPA_AR_026808
942	2/21/02	Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards Submitted on Behalf of Washington Trout by Nick Gayeski	OR_EPA_AR_026809 - 026816
943	2/22/02	Letter to John Palmer, EPA, from Naki Stevens, Audubon Washington, re: Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026817 - 026819
944	2/20/02	Letter to John Palmer, EPA, from Robert Meier, Rayonier, re: Review of the Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, October 21, 2001)	OR_EPA_AR_026820 - 026822
945	2/21/02	Letter to John Palmer, EPA, from Scott E. Swanson, West Fork Timber Company, LLC, re: Comments on Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards (Public Review Draft, October 21, 2001)	OR_EPA_AR_026823 - 026825
946	2/22/02	Letter to John Palmer, EPA, from Clifford R. Sears, Public Utility District No. 2 of Grant County, re: Grant PUD's Comments on EPA R10 Draft Guidance for State and Tribal Temperature Water Quality Standards with attachment Att. 1: General Comments	OR_EPA_AR_026826 - 026864

947	3/8/02	Memo to John Palmer, EPA, from Ed Connor, Seattle City Light, re: Hard copy of comments on draft temperature guidance Att. 1: Letter to John Palmer, EPA, from Nancy Glaser, Seattle City Light, Sally Marquis, Seattle Public Utilities, re: EPA Draft Temperature Guidance for Pacific Northwest	OR_EPA_AR_026865 - 026868
948	2/22/02	Letter to John Palmer, EPA, from Rick Dieker, Yakima Basin Joint Board, re: Comments on Draft EPA Temperature WQS Report	OR_EPA_AR_026869 - 026871
949	2/22/02	Letter to John Palmer, EPA, from Jim Weber, Staff Attorney, Skagit System Cooperative, re: Comments on EPA's Draft Temperature Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026872 - 026879
950	11/19/01	Email to John Palmer, EPA, et al, from Steven E. George, re: Temperature Guidance Comments with attachment Att. 1: A Review of the Teanaway Temperature TMDL	OR_EPA_AR_026880 - 026884
951	12/31/01	Letter to John Palmer, EPA, from Scott M. Hansen, Puget Creek Restoration Society, re: Comments and Concerns regarding Draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026885 - 026887
952	2/22/02	Letter to John Palmer, EPA, from Grant Nelson, Association of Washington Business, re: Comments on Draft EPA Guidance Att. 1: Letter to John Palmer, EPA, from Betsy Cooper, Curtis DeGasperi, King County Wastewater Treatment Division, and Luanne Coachman, King County Water and Land Resources Division, re: R10's Draft Regional Temperature Criteria	OR_EPA_AR_026888 - 026890
953	2/22/02	Letter to John Palmer, EPA, from Thomas G. Myrum, Washington State Water Resources Association, re: Response to Draft EPA Region 10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026891 - 026892
954	undated	Electronic letter to John Palmer, EPA, from Steven Hays, Chelan Public Utility District, re: Comments on EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026893 - 026902
955	12/5/01	Letter to John Palmer, EPA, from Mike Mihelich, Kootenai Environmental Alliance, re: Comments in Response to R10 Draft Guidance for State Temperature WQS	OR_EPA_AR_026903 - 028906

956	12/4/01	Letter to John Palmer, EPA, from Paul Hanneman, Charles Hurliman, and Tim Josi, Board of Commissioners for Tillamook County, OR, re: EPA Draft Temperature Guidance	OR_EPA_AR_026907 - 026908
957	12/21/01	Letter to John Palmer, EPA, from Scott M. Hansen, Puget Creek Restoration Society, re: Comments and Concerns Regarding draft EPA R10 Guidance for State and Tribal Temperature Water Quality Standards	OR_EPA_AR_026909 - 026914
Public Comments: 2nd Draft of Regional Water Temperature Guidance			
958	11/22/02	Letter to John Palmer, EPA, from Lori Sundstrom, Manager, OR Dept. of Transportation, re: Comments on EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, 2 nd Public Review, 10/10/02	OR_EPA_AR_026915 - 026919
959	11/26/02	Letter to John Palmer, EPA, from Ann Goos, Washington Forest Protection Association, re: Comments in response to the 2 nd Public Review Draft	OR_EPA_AR_026920 - 026944
960	11/23/02	Letter to John Palmer, EPA, from Alan L Prouty, J.R. Simplot, re: 2 nd Draft EPA Guidance	OR_EPA_AR_026945 - 026961
961	11/26/02	Letter to John Palmer, EPA, from William A. Dryden, Boise Cascade Corp., re: 2 nd Public Review Draft 10/10/02	OR_EPA_AR_026962 - 026966
962	11/26/02	Letter to John Palmer, EPA, from John Robison, Idaho Conservation League, re: 2 nd Public Review Draft EPA R10 Guidance	OR_EPA_AR_026967 - 026974
963	11/26/02	Letter to John Palmer, EPA, from Sally Marquis, City of Seattle, re: EPA Draft Temperature Guidance	OR_EPA_AR_026975 - 026979
964	11/27/02	Letter to Randall Smith, Director, EPA, from Robert Kelly, Jr, Director, Nooksack Indian Tribe Natural Resources Dept., re: R10 Water Quality Temperature Criteria Guidance	OR_EPA_AR_026980 - 026982
965	11/26/02	Letter to John Palmer, EPA, from Joan Crooks, Washington Environmental Council, re: 2 nd Draft of Regional Water Temperature Guidance	OR_EPA_AR_026983 - 026986
966	11/22/02	Letter to John Palmer, EPA, from Jane A. Gorsuch, Intermountain Forest Association, re: Review of 2nd Draft EPA R10 Guidance	OR_EPA_AR_026987 - 026990

967	11/26/02	Letter to John Palmer, EPA, from Chris Jarmer, Oregon Forest Industries Council, re: Review of 2 nd Public Review Draft Attachment Att.1: Comments	OR_EPA_AR_026991 - 027005
968	11/26/02	Letter to John Palmer, EPA, from Don Sampson, Columbia River Inter-Tribal Fish Commission (CRITFC), re: EPA R10 Draft 2 Temperature Guidance Criteria Attachment Att. 1: Comments	OR_EPA_AR_027006 -027016
969	11/26/02	Letter to John Palmer, EPA, from Dean Marriott, City of Portland Environmental Services, re: Comments on 2 nd Draft of EPA R10 Guidance	OR_EPA_AR_027017
970	11/29/02	Letter to John Palmer, EPA, from William A. Dryden, Boise Cascade Corp., re: Review of EPA R10 Guidance (2 nd Public Review Draft, 10/10/02)	OR_EPA_AR_027018 - 027022
971	11/26/02	Letter to John Iani, Regional Administrator, EPA, from Dirk Kempthorne, Governor, ID, re: 2 nd Public Review Draft of Proposed EPA R10 Guidance Att. 1: Attachment to Idaho Comments on "EPA Region 10 Guidance for Pacific Northwest State and Trival Temperature Water Quality Standards"	OR_EPA_AR_027023 - 027031
972	11/26/02	Letter to John Iani, Regional Administrator, EPA, from D. Robert Lohn, Regional Administrator, NMFS-NOAA, re: 10/10/02 Draft EPA R10 Guidance	OR_EPA_AR_027032 - 027045
973	11/26/02	Letter to John Palmer, EPA, from Robbin Finch, Boise City Public Works, re: Boise City Comments on Draft R10 Guidance	OR_EPA_AR_027046 - 027054
974	11/25/02	Letter to John Palmer, EPA, from Richard R. Rush, Idaho Association of Commerce and Industry, re: 2 nd Public Review Draft	OR_EPA_AR_027055 - 027057
975	11/26/02	Letter to John Palmer, EPA, from Susan Giannettino, U.S .Dept. Of Interior, Bureau of Land Management, re: 2nd Draft of Regional Water Temperature Guidance	OR_EPA_AR_027058 - 027059
976	11/25/02	Letter to John Palmer, EPA, from Thomas L. Partin, American Forest Resource Council, re: 2 nd Public Review Draft, 10/10/02	OR_EPA_AR_027060 - 027062
977	11/27/02	Letter to John Palmer, EPA, from Megan White, WDOE, re: Comments on Draft Regional Temperature Criteria Guidance	OR_EPA_AR_027063 - 027073

978	11/26/02	Letter to John Palmer, EPA, from Terry Flores, PacifiCorp, re: 2 nd Draft of EPA R10 Guidance	OR_EPA_AR_027074 - 027078
979	11/15/02	Letter to John Palmer, EPA, from Samuel N. Penney, Nez Perce Tribal Executive Committee, re: Comments on Draft EPA R10 Guidance	OR_EPA_AR_027079 - 027082
980	11/26/02	Letter to Randall Smith, EPA, from Michael T. Llewelyn, ODEQ, re: 2 nd Draft of EPA R10 Guidance	OR_EPA_AR_027083 - 027088
981	11/15/02	Letter to John Palmer, EPA, from Robert Spahr, Chehalis Basin Partnership, re: 2 nd Draft of Regional Water Temperature Guidance for Public Review	OR_EPA_AR_027089
982	11/26/02	Letter to John Palmer, EPA, from Roy G. Metzgar, Everett Public Works, re: 2 nd Draft of EPA R10 Guidance	OR_EPA_AR_027090 - 027092
983	11/25/02	Letter to John Palmer, EPA, from Thomas L. Partin, American Forest Resource Council, re: 2 nd Public Review Draft 10/10/02	OR_EPA_AR_027093 - 027095
984	11/26/02	Letter to John Palmer, EPA, from Frank Priestley, Idaho Farm Bureau Federation, re: Review of 2 nd Draft EPA R10 Guidance	OR_EPA_AR_027096 - 027098
985	12/9/02	Letter to John Palmer, EPA, from Kathleen Feehan, Confederated Tribes of the Umatilla Indian Reservation, re: Draft EPA R10 Guidance	OR_EPA_AR_027099 - 027102
986	12/12/02	Letter to John Iani, Regional Administrator, EPA, from Anne Badgley, Regional Director, US DOI, re: Comments on Proposed EPA R10 Guidance	OR_EPA_AR_027103 - 027106

987	11/24/02	Comments from Oregon Cattlemen's Association Literature Provided as Attachments Att. 1: Physics, A World View Att. 2: Optical Thermal Ratchet Att. 3: The Story of Physics Att. 4: Fluvial Processes in Geomorphology Att. 5: Applied River Morphology Att. 6: Thermal Characteristics of Wisconsin Headwater Streams Occupied by Beaver: Implications for Brook Trout Habitat Att. 7: Stream Temperature/Air Temperature Relationship: A Physical Interpretation Att. 8: The Natural Heating and Cooling of Water Att. 9: A Simple Method to Classify Stream Thermal Stability with Single Observations of Daily Maximum Water and Air Temperatures Att. 10: Influence of Streamside Cover and Stream Features on Temperature Trends in Forested Streams of Western Oregon Att. 11: Riparian Shade and Stream Temperature: A Perspective Att. 12: A Nonlinear Regression Model for Weekly Stream Temperatures Att. 13: Perspectives on Water Flow and the Interpretation of FLIR Images Att. 14: Influence of Thermal Gradients on the Rates of Heating and Cooling of Streams Att. 15: Five Equations that Changed the World Att. 16: Intro to Scientific Research Att. 17: Clouds in a Glass of Beer Att. 18: A Nonlinear Regression Model for Weekly Stream Temperatures	OR_EPA_AR_027107 - 027279
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988	11/26/02	Letter to John Palmer, EPA, from Llewellyn Matthews, Northwest Pulp and Paper, re: 2 nd Public Review Draft, 10/10/02 Attachments Att.1: Comments from 2/22/02 Att.2: Comments from 11/26/02 Att. A: Summary of Information Relating to Historic Temperature Conditions of the Columbia and Lower Snake Rivers Att. B: Historic sources Att. C: Executive Summary Att. D: 1) 11/12/02 Letter to Llewelyn Matthews, Northwest Pulp and Paper, from Heather M. Bartlett, SECOR International Incorporated, re: Willamette River Basin Temperature 2001/2002 Data Analysis, and 2) Letter to Llewelyn Matthews, Northwest Pulp and Paper, from Heather M. Bartlett, SECOR International Incorporated with attached figures, re: Willamette River Basin Temperature Monitoring Results - 2002 Att. E: Laenen, Antonius, Risley, John C. 1997. Precipitation-Runoff and Streamflow-Routing Models for the Willamette River Basin, Oregon.	OR_EPA_AR_027280 - 027588
989	11/26/02	Oregon Forest Industries Council (OFIC) Comments	OR_EPA_AR_027589 - 027595
Technical Documents Sent to EPA in Response to Call for Data			
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990	10/20/37	Roth, A.R. 1937. A Survey of the Waters of the South Umpqua Ranger District, Umpqua National Forest	OR_EPA_AR_027596 - 027639
991	4/12/76	Wurtsbaugh, Wayne A., Davis, Gerald E. 1976. Effects of temperature and ration level on the growth and food conversion efficiency of <i>Salmo gairdneri</i> , Richardson	OR_EPA_AR_027640
992	1977	Hokanson, Kenneth E.F., Kleiner, Charles F., and Thorslund, Todd W. 1977. Effects of Constant Temperatures and Diel Temperature Fluctuations on Specific Growth and Mortality Rates and Yield of Juvenile Rainbow Trout, <i>Salmo gairdneri</i>	OR_EPA_AR_027641 - 027650
993	8/77	Kubicek, Paul F. 1977. Summer Water Temperature Conditions in the Eel River System, with Reference to Trout and Salmon	OR_EPA_AR_027651 - 027848

994	1982	Bisson, Peter A. 1982. Salmonid Populations in Logged and Unlogged Stream Sections of Western Washington	OR_EPA_AR_027849 - 027873
995	7/84	Beschta, Robert L., Weatherred, Jim. 1984. A Computer Model for Predicting Stream Temperatures Resulting from the Management of Streamside Vegetation.	OR_EPA_AR_027874 - 027955
996	1985	Clarke, W. C., Shelbourn, J.E.. 1985. Growth and Development of Seawater Adaptability by Juvenile Fall Chinook Salmon (<i>oncorhynchus tshawytscha</i>) in Relation to Temperature	OR_EPA_AR_027956 - 027966
997	1987	Bilby, Robert E., Bisson, Peter A. 1987. Emigration and Production of Hatchery Coho Salmon (<i>Oncorhynchus kisutch</i>) Stocked in Streams Draining an Old-growth and a Clear-cut Watershed	OR_EPA_AR_027967- 027977
998	1988	Bisson, Peter A., Nielsen, Jennifer L., Ward, James W. 1988. Summer Production of Coho Salmon Stocked in Mount St. Helens Streams 3-6 Years after the 1980 Eruption	OR_EPA_AR_027978 - 027991
999	1989	Adams, Terry N., Sullivan, Kathleen. 1989. The Physics of Forest Stream Heating: A Simple Model	OR_EPA_AR_027992 - 028032
1000	1991	Berman, C.H., Quinn, T.P. 1991. Behavioural thermoregulation and homing by spring chinook salmon, <i>Oncorhynchus tsawytscha</i> (Walbaum), in the Yakima River	OR_EPA_AR_028033 - 028044
1001	12/1/91	Castleberry, Daniel T., Cech, Jr., Joseph J., et al. 1991. Growth, Condition, and Physiological Performance of Juvenile Salmonids from the Lower American River: February through June, 1991. Final Report.	OR_EPA_AR_028045 - 028180
1002	6/91	Caldwell, Jean E., Doughty, Kent, and Sullivan, Kate. 1991. Evaluation of Downstream Temperature Effects of Type 4/5 Waters	OR_EPA_AR_028181 - 028313
1003	1992	Bilby, Robert E., Bisson, Peter A. 1992. Allochthonous versus Autochthonous Organic Matter Contributions to the Tropic Support of Fish Populations in Clear-Cut and Old-Growth Forested Streams	OR_EPA_AR_028314 - 028325
1004	3/93	Federal Energy Regulatory Commission Draft Staff Report Volume I, Glines Canyon (FERC No. 588) and Elwha (FERC No. 2683) Hydroelectric Projects Washington	OR_EPA_AR_028326 - 028335

1005	3/8/93	Castleberry, Daniel T., Cech, Jr., Joseph J., et al. 1993. Growth, condition, and physiological performance ;of juvenile salmonids from the lower American River: February through July 1992, Final Report	OR_EPA_AR_028336 - 028456
1006	5/94	Caldwell, Jean E. 1994. Green River Temperature Investigation 1992	OR_EPA_AR_028457 - 028512
1007	1994	Ugedal, Ola, Heggberget, Tor G., Grande, Gjert E. 1994. Growth of Wild Stunted Arctic Char after Transfer to a Commercial Rearing System	OR_EPA_AR_028513 - 028519
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1011	1995	Konecki, John T., Woody, Carol A., and Quinn, Thomas P. 1995. Influence of Temperature on Incubation Rates of Coho Salmon (<i>Oncorhynchus kisutch</i>) from Ten Washington Populations	OR_EPA_AR_028683 - 028689
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1013	7/31/96	Newton, Michael, Zwieniecki, Maciej. 1996. Temperature and Streamflow Regulation by Streamside Cover, Final Report to Oregon Department of Forestry	OR_EPA_AR_028702 - 028724
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1016	1996	Drake, Melissa Tremi, Taylor, William W. 1996. Influence of spring and summer water temperature on brook charr, <i>Salvelinus fontinalis</i> , growth and age structure in the Ford River, Michigan	OR_EPA_AR_028739 - 028749
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1017	1997	Brosofske, Kimberley D., Chen, Jiquan, et al. 1997. Harvesting Effects on Microclimatic Gradients from Small Streams to Uplands in Western Washington	OR_EPA_AR_028750 - 028762
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1019	1997	Rutherford, J. Christopher, Blackett, Shane, Blackett, Colin. 1997. Predicting the effects of shade on temperature in small streams.	OR_EPA_AR_028829 - 028836
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1021	1997	Buchanan, David V., Gregory, Stanley V. 1997. Development of Water Temperature Standards to Protect and Restore Habitat for Bull Trout and other Cold Water Species in Oregon	OR_EPA_AR_029012 - 029020
1022	1997	Swanberg, Tim R. 1997. Movements of and Habitat Use by Fluvial Bull Trout in the Blackfoot River, Montana	OR_EPA_AR_029021 - 029032
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1023	1998	Taniguchi, Yoshinori, Rahel, Frank J., Novinger, Douglas C. 1998. Temperature mediation of competitive interactions among three fish species that replace each other along longitudinal stream gradients	OR_EPA_AR_029033
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1046	12/4/99	Umpqua Basin Watershed Council. 1999. Appendices for the Calapooya Watershed 1999 Temperature Study	OR_EPA_AR_030293 - 030333

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1060	1/99	U.S. Forest Service Regional HQ, Missoula, Montana. 1999. Stream Temperatures and Salmonid Distributions: Proceedings of a Workshop	OR_EPA_AR_031139 - 031161
1061	1999	Roper, Brett B., Scarnecchia, Dennis L. 1999. Emigration of age-0 chinook salmon (<i>Oncorhynchus tshawytscha</i>) smolts from the Upper South Umpqua River Basin, Oregon, U.S.A.	OR_EPA_AR_031162 - 031169
1062	1999	Edsall, Thomas A., Frank, Anthony M. 1999. The Effect of Temperature and Ration Size on the Growth, Body Composition, and Energy Content of Juvenile Coho Salmon	OR_EPA_AR_031170 - 031177
2000			
1063	1/00	Umpqua Basin Watershed Council. 2000. Calapooya Creek Temperature Study 1999, Procedure, Results, and Preliminary Analysis	OR_EPA_AR_031178 - 031196
1064	2/00	Umpqua Basin Watershed Council. 2000. South Umpqua Watershed Temperature Study 1999, Procedure, Results, and Preliminary Analysis	OR_EPA_AR_031197 - 031227
1065	1/12/00	Umpqua Basin Watershed Council. 2000. Appendices for the South Umpqua Watershed Temperature Study 1999 Att.: Executive Summary	OR_EPA_AR_0312228 - 031368
CD 1066	5/4/00	CD: Temperature Growth Risks, Chinook	OR_EPA_AR_031369 - 031421
CD 1067	9/11/00	CD: Lewis, T.E., Lamphear, D.W., et al. 2000. Regional Assessment of Stream Temperatures Across Northern California and their Relationship to Various Landscape-Level and Site-Specific Attributes	OR_EPA_AR_031422 - 031868
1068	3/27/00	Integrated Headwater Stream Riparian Management Study, Progress Report #4: Project Summary	OR_EPA_AR_031869 - 031879

1069	7/00	Bull Trout <i>Salvelinus Confluentus</i> Population and Habitat Surveys in the McKenzie and Middle Fork Willamette Basins Annual Report 2000	OR_EPA_AR_031880 - 031909
1070	1/6/00	McElhany, Paul, Ruckelshaus, Mary, et al. 2000. Draft: Viable Salmonid Populations and the Recovery of Evolutionary Significant Units, NMFS	OR_EPA_AR_031910 - 031935
1071	11/00	Naiman, Robert J., Bilby, Robert E., et al. 2000. Riparian Ecology and Management in the Pacific Coastal Rain Forest	OR_EPA_AR_031936 - 031951
1072	2/00	Ebersole, J.L., Liss, W.J. 2000. Relationship between stream temperature, thermal refugia and rainbow trout <i>Oncorhynchus mykiss</i> abundance in arid-land streams in the northwestern United States	OR_EPA_AR_031952 - 031961
1073	2000	Macdonald, J.S., Foreman, M.G.G., et al. 2000. Canadian Technical Report of Fisheries and Aquatic Sciences XXXX, The Influence of Extreme Water Temperatures on Migrating Fraser River Sockeye Salmon (<i>Ocorhynchus nerka</i>) During the 1988 Spawning Season	OR_EPA_AR_031962 - 032114
1074	1/00	Lewis, Scott D. 2000. Lower Deschutes River Dissolved Oxygen Study, 1999, Pelton Round Butte Hydroelectric Project, FERC No. 2030	OR_EPA_AR_032115 - 032147
1075	4/28/00	Forest Science Project. Stream Temperature Protocol. Regional Stream Temperature Assessment	OR_EPA_AR_032148 - 032177
1076	5/00	Letter to EPA Region 10 from Judith M. Brawer, American Wildlands, re: regional temperature project Att.: –Email from Dru Keenan, EPA, to American Wildlands re: EPA Temperature Criteria Project	OR_EPA_AR_032178 - 032180
1077	2/00/2000	Effectiveness of Eastside Target Shade Rule	OR_EPA_AR_032181 - 032184
1078	2000	Bebak, J., Hankins, J.A., et al. 2000. Effect of Water Temperature on Survival of Eyed Eggs and Alevins of Arctic Char	OR_EPA_AR_032185 - 032189
1079	1/00	Forest Science Projects (FSP). Technical Notes: Framework Hydrography for the Van Duzen River Basin Completed	OR_EPA_AR_032190 - 032192
1080	4/00	Washington Forest Protection Association. 2000. Review of the Scientific Foundations of the Forests and Fish Plan	OR_EPA_AR_032193 - 032372

1081	6/5/00	Letter to Dru Keenan, EPA, from Jim McCauley, Oregon Forest Industries Council and Ann Goos, Washington Forest Protection Association, re: Information and Studies Relevant to Temperature, Salmonids, and Water Quality	OR_EPA_AR_032373 - 032410
1082	6/2/00	Letter to Dru Keenan, EPA, from Pat Larson and Susie Hammond, Oregon Cattlemen's Association, re: Temperature Project	OR_EPA_AR_032411 - 032425
1083	6/00	Benner, David A. 2000. Thesis: Evaporative Heat Loss of the Upper Middle Fork of the John Day River, Northeastern Oregon	OR_EPA_AR_032426 - 032491
1084	2000	Johnson, Sherri L., Jones, Julia A. 2000. Stream temperature responses to forest harvest and debris flow in western Cascades, Oregon	OR_EPA_AR_032492 - 032501
1085	2/00	Oregon Forest Industries Council. 2000. Evaluation of Shade Effects on Water Temperature of Tributaries and the Mainstem of the Grande Ronde River	OR_EPA_AR_032502 - 032549
1086	5/00	Sullivan, Kathleen, Martin, Douglas J. 2000. Abstract: An Analysis of the Effects of Temperature on Salmonids of the Pacific Northwest with Implications for Selecting Temperature Criteria	OR_EPA_AR_032550 - 032551
1087	2000	Oregon State University Forest Engineering Department. 1970 -1999 List of Available Theses, Publications, Technical Papers, Audio-Visual and other Media	OR_EPA_AR_032552 - 032603
1088	4/00	Umpqua Basin Watershed Council. 2000. Stream Temperature Management Strategies for the Elk Creek Watershed, Development and Evaluation	OR_EPA_AR_032604 - 032647
1089	2000	Bartholow, John M. 2000. U.S. Geological Survey: Estimating Cumulative Effects of Clearcutting on Stream Temperatures	OR_EPA_AR_032648 - 032666
2001			
1090	11/01	Dunham, Jason, Rieman, Bruce, et al. 2001. Development of Field-Based Models of Suitable Thermal Regimes for Interior Columbia Basin Salmonids, Final Report	OR_EPA_AR_032667 - 032747
2002			

1091	4/02	Washington Department of Ecology. 2002. A Multiple Lines of Evidence Approach to Setting Temperature Criteria for the Protection of Bull Trout	OR_EPA_AR_032748 - 032753
1092	2002	Gamett, Bart L. 2002. Thesis: The Relationship between Water Temperature and Bull Trout	OR_EPA_AR_032754 - 032835
1093	2002	Roni, Philip, Beechie, Timothy, et al. 2002. A Review of Stream Restoration Techniques and a Hierarchical Strategy for Prioritizing Restoration in Pacific Northwest Watersheds	OR_EPA_AR_032836 - 032855
Undated			
1094	undated	Weber, Lee A., Vinyard, Gary. Annual Report: Heat Shock Proteins as Indicators of Thermal Injury and Impaired Physiological Performance in Bull Trout	OR_EPA_AR_032856 - 032859
1095	undated	Drake, Douglas. Multivariate Analysis of Fish and Environmental Factors in the Grande Ronde Basin of Northeastern Oregon	OR_EPA_AR_032860 - 032975
1096	undated	U.S. Dept. Of Commerce, NOAA-NMFS, Tech Memo-15: Status Review for Oregon's Umpqua River Sea-Run Cutthroat Trout	OR_EPA_AR_032876 - 032943
1097	undated	Email from Chris Mebane providing web links and abstracts to salmonid literature	OR_EPA_AR_032944 - 032963
1098	undated	Tickner, Joel, Raffensperger, Carolyn. The Precautionary Principle in Action, A Handbook	OR_EPA_AR_032964 - 032985
1099	undated	Rahr, Guido. Why is Salmon Conservation Important?	OR_EPA_AR_032986 - 032991
1100	undated	Landers, Dixon H. Cumulative Distribution Frequency for Temperature in Off-Channel Habitats of the Willamette River	OR_EPA_AR_032992 - 032993
1101	undated	Mangel, Marc. Climate change and salmonid life history variation	OR_EPA_AR_032994 - 033065
1102	undated	Lewis, T.E., Lamphear, D.W., et al. Forest Science Project: Regional Assessment of Stream Temperatures Across Northern California and Their Relationship to Various Landscape-Level and Site-Specific Attributes	OR_EPA_AR_033066 - 033480

1103	undated	Lewis, T.E., Lamphear, D.W., et al. Forest Science Project: Regional Assessment of Stream Temperatures Across Northern California and Their Relationship to Various Landscape-Level and Site-Specific Attributes	OR_EPA_AR_033481 - 033497
1104	undated	Lewis, T.E., Lamphear, D.W., et al. Forest Science Project: Regional Assessment of Stream Temperatures Across Northern California and Their Relationship to Various Landscape-Level and Site-Specific Attributes	OR_EPA_AR_033498 - 033520
1105	undated	Sullivan, Kathleen, Adams, Terry N. Weyerhaeuser Technical Report: The Physics of Stream Heating: 2) An Analysis of Temperature Patterns in Stream Environments Based on Physical Principles and Field Data	OR_EPA_AR_033521 - 033594
1106	undated	Li, Hiram, Beschta, Bob, et al. Hydrologic, Geomorphic, and Ecological Connectivity in Columbia River Watersheds: Implications for Endangered Salmonids	OR_EPA_AR_033595 - 033662
1107	undated	Beschta, Robert L., Bilby, Robert E. Stream Temperature and Aquatic Habitat: Fisheries and Forestry Interactions	OR_EPA_AR_033663 - 033706
1108	undated	Smith, Kent. Umpqua Basin Watershed Council. Thermal Transition in Small Streams under Low Flow Conditions	OR_EPA_AR_033707 - 033716
1109	undated	Smith, Kent. Umpqua Basin Watershed Council. Analysis of 1937 Stream Temperature Data from the Tiller Region of the South Umpqua River	OR_EPA_AR_033717 - 033754
1110	undated	Ice, George G. Stream Temperature and Dissolved Oxygen: The Alsea Watershed Study	OR_EPA_AR_033755 - 033775
1111	undated	Effect of Temperature on Parr-Smolt Transformation in Pacific Salmonids	OR_EPA_AR_033776 - 033780
1112	undated	Adams, B.L., Zaugg, W.S., et al. Inhibition of Salt Water Survival and Na-K-ATPase Elevation in Steelhead Trout (<i>Salmo gairdneri</i>) by Moderate Water Temperatures	OR_EPA_AR_033781 - 033784
1113	undated	Li, Hiram W., Schreck, Carl B., Rexstad, Eric. Factors Influencing Changes in Fish Assemblages of Pacific Northwest Streams	OR_EPA_AR_033785 - 033794
1114	undated	Bartholow, John M., Modeling Uncertainty: Quicksand for Water Temperature Modeling	OR_EPA_AR_033795 - 033812

1115	undated	Underlying assumptions of approach and recommendations (guidance)	OR_EPA_AR_033813 - 033816
1116	undated	Questions/Comments re: Temperature Guidance from Marcia	OR_EPA_AR_033817
1117	undated	Attachment I Methods to Determine Confidence Limits around Modeled Estimates of Natural Thermal Potential	OR_EPA_AR_033818 - 033826
1118	undated	Technical Steps for Development of Proposed Regional Temperature Criteria	OR_EPA_AR_033827 - 033828
1119	undated	Mcmillan, John R. Draft: Coastal Cutthroat Demographics/Genetic Diversity Study on Olympic Peninsula	OR_EPA_AR_033429 - 033856
1120	undated	WDOE Preliminary Draft: Excerpt from Latest Revisions to Standards as of 09/06/02	OR_EPA_AR_033857 - 033858
1121	undated	NMFS Handout: The "Four C's"—Cold, Clean, Complex, Connected	OR_EPA_AR_033859 - 033864
1122	undated	Juvenile Rearing MDMT 12 degrees Centigrade (Max Daily Max Temp)	OR_EPA_AR_033865 - 033868
1123	undated	Lockwood, Jeff. NMFS. Water Temperature Effects on Salmonid Fishes Excerpted from Return to the River 2000 Independent Scientific Group	OR_EPA_AR_033869 - 033871
1124	undated	Figure 2. Integrating and Reconciling Multiple Lines of Evidence	OR_EPA_AR_033872
1125	undated	Figure 2. Integrating and Reconciling Multiple Lines of Evidence and Appendix B References	OR_EPA_AR_033873 - 033874
1126	undated	Figure 1 Chart	OR_EPA_AR_033875
1127	undated	Temperature Criteria Development Project: Policy Work Group	OR_EPA_AR_033876 - 033877
1128	undated	Risk-Based Approach to Evaluating the Effects of Water Temperature on Salmonids of the Pacific Northwest with Implications for Selecting Temperature Criteria.	OR_EPA_AR_033878
1129	undated	McCullough, Dale. What Temperatures are Considered to be Thermally Well-Suited for Native Salmonids?	OR_EPA_AR_033879 - 033886
1130	undated	Questions for Policy Workgroup with Regard to Conceptual Models	OR_EPA_AR_033887

1131	undated	Appendix A: Recommendations for Numeric Temperature Targets	OR_EPA_AR_033888 - 033895
1132	undated	Ideas for All-Feasible Steps	OR_EPA_AR_033896 - 033900
1133	undated	Synopsis of Cell Contents n Region 10 Guidance on State and Tribal Temperature Water Quality Standards, Second Draft	OR_EPA_AR_033901 - 033916
1134	undated	Bartholow, John M. Modeling Uncertainty: Quicksand for Water Temperature Modeling	OR_EPA_AR_033917 - 033934
1135	undated	EPA Office of Water Announcement: Compilation of National Recommended Water Quality Criteria and EPA's Process for Deriving New and Revised Criteria	OR_EPA_AR_033935 - 033936
1136	undated	Powerpoint Presentation by Joe Ebersole: Thermally Heterogeneous Habitat for Northeast Oregon Stream Fishes	OR_EPA_AR_033937 - 033980
1137	undated	Schedule of Meetings on Temperature Project	OR_EPA_AR_033981
1138	8/12/03	Email to Cliff Sears, et al, from John Palmer, EPA, re: Possible Meeting on EPA Guidance with Hydro Interests	OR_EPA_AR_033982 - 033985
Part A: Documents Added to Administrative Record Prior to Issuance of 2/11/09 Court Order. Based on "Meet and Confer" Discussion with Plaintiff			
Temperature Guidance Documents			
1139	8/23/99	Table Comparing WA and OR Temperature Standards with handwritten notes *	OR_EPA_AR_033986 - 033988
1140	9/10/99	Status Report of the Policy Work Group of the Temperature Criteria Development Project ***	OR_EPA_AR_033989 - 033990
1141	10/27/99	Email from Jennifer Mitchell, EPA, to Dru Keenan, EPA, re: Peer Review ***	OR_EPA_AR_033991 - 033992
1142	1/5/00	Email train between Jeff Lockwood, NOAA, and Dru Keenan, EPA, re: Criteria Goal ***	OR_EPA_AR_033993
1143	1/5/00	Email from Geoffrey Poole, EPA, to Dru Keenan, EPA, re: Issue Papers ***	OR_EPA_AR_033994 - 033995
1144	1/23/00	Email from James Wernitz, EPA, to Maryann Helferty, EPA, cc: Dru Keenan, EPA, re: Draft Outreach Strategy ***	OR_EPA_AR_033996

1145	2/2/00	Agenda for Meeting on Outreach for Regional Temperature Project, with handwritten notes ***	OR_EPA_AR_033997 - 034003
1146	2/29/00	Email from William Bogue, EPA, to Dru Keenan, EPA, re: Collection of Temperature Data (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034004
1147	3/21/00	Agenda for Timeline and Resource Meeting on Temperature Project ***	OR_EPA_AR_034005
1148	4/21/00	Chart: Next Steps for May 26 and 27 Technical Workgroup Meeting, with handwritten notes ***	OR_EPA_AR_034006 - 034009
1149	4/21/00	Chart (version 2): Next Steps for May 26 and 27 Technical Workgroup Meeting, with handwritten notes ***	OR_EPA_AR_034010 - 034012
1150	5/4/00	Narrative Description of the Tasks on the Timeline for Temperature Project, with handwritten notes ***	OR_EPA_AR_034013
1151	9/14/00	Email from Sherri Johnson, EPA Contractor, to Dru Keenan, EPA, re: Draft Summary of Public Responses, with handwritten notes Att. 1: Draft of Comments: Responses to EPA R10 Request for Information and Studies Relevant to Temperature, Salmonids, and Water Quality ***	OR_EPA_AR_034014 - 034023
1152	8/30/01	Email train between John Palmer, EPA, and Policy workgroup, re: Tentative Schedule for Temperature Guidance, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034024 - 034025
1153	9/21/01	Chart: Tasks and Schedule for Temperature Project, with handwritten notes ***	OR_EPA_AR_034026 - 034027
1154	11/15/01	Email from John Palmer, EPA, to Policy Workgroup, re: Temperature Policy Call, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034028 - 034029
1155	4/9/02	Email from John Palmer, EPA, to Policy Workgroup, re: Temperature Policy and Technical Meeting, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034030 - 034031
1156	4/10/02	Draft EPA Staff Recommended Direction on Temperature Guidance, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034032 - 034035

1157	4/10/02	Rough Timeline for Completion of Temperature Guidance,(handwritten notes for author's personal use redacted) **	OR_EPA_AR_034036
1158	4/8/02	Rough Timeline for Completion of Temperature Guidance, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034037
1159	4/10/02	Draft Straw SLS Application Proposal for Discussion Purposes *	OR_EPA_AR_034038
1160	4/12/02	Draft by Derek Poon, EPA: Recent Record Salmon Runs, Are We Out of the Woods? ***	OR_EPA_AR_034039 - 034046
1161	4/24/02	EPA's Proposed New Direction on Temperature Guidance – Draft 4/24/02 *	OR_EPA_AR_034047
1162	5/2/02	JP Technical/Policy Context Piece Related to SLS Criteria *	OR_EPA_AR_034048
1163	5/28/02	Temperature Guidance Outline (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034049 - 034051
1164	6/19/02	Email from John Palmer, EPA, to Policy Workgroup, re: Temperature Policy and Technical Meeting Agenda for June 25, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034052
1165	7/8/02	Email train between John Palmer, EPA, Cara Lalley, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034053
1166	7/11/02	Email train between Keith Sappington, EPA, Cara Lalley, EPA, John Palmer, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034054 - 034056
1167	7/12/02	Email train between Cara Lalley, EPA, Keith Sappington, EPA, John Palmer, EPA, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034057 - 034059
1168	7/15/02	Email train between Dru Keenan, EPA, Cara Lalley, EPA, Keith Sappington, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034060 - 034067
1169	7/11/02	Email train between Cara Lalley, EPA, Dru Keenan, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034068 - 034075

1170	7/29/02	Email train between Cara Lalley, EPA, Keith Sappington, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034076 - 034078
1171	7/29/02	Email train between Cara Lalley, EPA, Dru Keenan, EPA, John Palmer, EPA, et al, re: Request for Review of Draft Temperature Guidance *	OR_EPA_AR_034079
1172	8/1/02	Agenda: Update on Temperature Project ***	OR_EPA_AR_034080
1173	9/25/02	Email train between Dru Keenan, EPA, Lars Wilcut, EPA, et al, re: Federal Agency Involvement *	OR_EPA_AR_034081
1174	9/29/03 (date saved)	Draft Comment Letter re: Comments on OR's Proposed Revisions to OAR Division 41, Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon ***	OR_EPA_AR_034082 - 034083
1175	undated	Draft Outreach Strategy for Regional Temperature Criteria, with handwritten notes ***	OR_EPA_AR_034084 - 034087
1176	undated	EPA Technical Workgroup Recommendation for the Char Guild, (handwritten notes for author's personal use redacted) **	OR_EPA_AR_034088 - 034092
CWA Action Documents (including Proposed Federal Rule)			
1177	1/30/06	Draft Letter from Mike Llewelyn, Water Quality Program, to Randy Smith, EPA, re: Oregon Responses to EPA Questions re: State's Water Quality Temperature Standards *	OR_EPA_AR_034093 - 034097
1178	undated	Draft letter from Randy Smith, EPA, to Melissa Powers, Stephanie Parent, Pacific Environmental Advocacy Center, Nina Bell, Northwest Environmental Advocates, re: Revised Water Quality Standards *	OR_EPA_AR_034098
<u>Part B:</u> Documents Added to Record Pursuant to 2/11/09 Court Order			
ESA Consultation Documents			
1179	9/2/03	Draft Biological Assessment of U.S. EPA's Promulgation of Federal WQS for Oregon	OR_EPA_AR_034099 - 034236

1180	10/6/03	Draft Biological Assessment of U.S. EPA's Promulgation of Federal WQS for Oregon	OR_EPA_AR_034237 - 034381
1181	11/3/03	Draft Biological Assessment of U.S. EPA's Promulgation of Federal WQS for Oregon	OR_EPA_AR_034382 - 034548
1182	11/3/03	Draft Biological Assessment of U.S. EPA's Promulgation of Federal Water Quality Standards for Oregon	OR_EPA_AR_034549 - 034712
1183	11/4/03	Email from Dru Keenan, EPA, to Jeff Lockwood, NOAA, Elizabeth Materna, USFWS, et al, re: Transmittal of Draft Biological Assessment for Proposed Federal Rule for Oregon Temperature Standard	OR_EPA_AR_034713 - 034715
1184	12/5/03	Preliminary Draft of Biological Evaluation for the Approval of the State of OR Antidegradation Implementation Procedures with edits	OR_EPA_AR_034716 - 034724
1185	12/10/03	Draft Biological Evaluation for the Approval of the State of OR Antidegradation Implementation Procedures	OR_EPA_AR_034725 - 034736
1186	12/11/03	Draft Biological Evaluation for Approval of OR Antidegradation Implementation Procedures	OR_EPA_AR_034737 - 034747
1187	12/16/03	Draft Biological Assessment of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation	OR_EPA_AR_034748 - 035055
1188	1/23/04	Draft Amended Biological Assessment of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation	OR_EPA_AR_035056 - 035211
1189	1/23/04	Draft Amended Biological Assessment of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation	OR_EPA_AR_035212 - 035368
1190	1/23/04	Draft Amended Biological Assessment of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation	OR_EPA_AR_035369 - 035526
1191	1/23/04	Draft Biological Assessment of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation with notes	OR_EPA_AR_035527 - 035676

Temperature Guidance Documents			
1192	11/24/?	Preliminary Summary and Analysis of Public Comments on Draft Temperature Guidance	OR_EPA_AR_035677 - 035683
1193	3/25/02	Draft Letter to Senator Larry Craig from EPA, re: Concern over Draft Temperature Guidance and ESA Consultation Agreement between EPA R10, NMFS, and USFWS	OR_EPA_AR_035684 - 035686
1194	10/10/02	Draft of 2 nd Public Review Draft: EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, with handwritten notes	OR_EPA_AR_035687 - 035722
1195	10/10/02	Draft of 2 nd Public Review Draft: EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, 2 nd Public Review Draft, with handwritten notes	OR_EPA_AR_035723 - 035756
1196	2/1/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_035757 - 035799
1197	2/10/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_035800 - 035844
1198	2/13/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_035845 - 035892
1199	2/13/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_035893 - 035940
1200	2/14/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards	OR_EPA_AR_035941 - 035986
1201	2/14/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_035987 - 036034
1202	3/10/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_036035 - 036082
1203	3/11/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards	OR_EPA_AR_036083 - 036130

1204	3/26/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards	OR_EPA_AR_036131 - 036178
1205	4/3/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards	OR_EPA_AR_036179 - 036229
1206	4/11/03	Fax of Draft Letter from D. Robert Lohn, Regional Administrator, NMFS, to John Iani, Regional Administrator, EPA, re: Temperature Guidance	OR_EPA_AR_036230 - 036234
1207	4/15/03	Draft EPA R10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards, with handwritten notes	OR_EPA_AR_036235 - 036288
1208	undated	Draft response letter to Pat Larson, Susie Hammond, Oregon Cattlemen's Association, from EPA, re: Comments on Development of Temperature Guidance (letter not finalized)	OR_EPA_AR_036289 - 036291
1209	undated	Draft of First Public Review Draft (10/17/01): EPA R10 Guidance for State and Tribal Temperature Water Quality Standards Draft with handwritten notes	OR_EPA_AR_036292 - 036305
1210	undated	Draft of 2 nd Public Review Draft (8/29/02): EPA R10 Guidance for State and Tribal Temperature Water Quality Standards Draft with handwritten notes	OR_EPA_AR_036306 - 036335
1211	undated	Draft of 2 nd Public Review Draft (8/29/02): EPA R10 Guidance for State and Tribal Temperature Water Quality Standards Draft with handwritten notes	OR_EPA_AR_036336 - 036365
1212	undated	Draft letter from unidentified source to John Palmer, EPA, re: Comments on Temperature Guidance	OR_EPA_AR_036366 - 036367
1213	undated	Draft Question and Answer Document re: EPA Water Temperature Guidance for the Pacific Northwest	OR_EPA_AR_036368
CWA Action Documents (including Proposed Federal Rule)			
1214	7/2/03	Chart for Displaying Comparison of EPA's Draft Proposal for Oregon Promulgation with Oregon's Current Standard	OR_EPA_AR_036369 - 036375
1215	8/12/03	Draft Outline for Proposed Federal Rule Preamble	OR_EPA_AR_036376 - 036377
1216	8/14/03	Draft Language for Proposed Federal Rule for OR WQS	OR_EPA_AR_036378 - 036383

1217	8/14/03	Preliminary Draft of Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_036384 - 036466
1218	8/14/03	Preliminary Draft of Proposed Federal Rule with notes	OR_EPA_AR_036467 - 036468
1219	9/3/03	Preliminary Draft of Preamble and Proposed Federal Rule for OR WQS	OR_EPA_AR_036469 - 036572
1220	9/3/03	Preliminary Draft of Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_036573 - 036676
1221	9/10/03	Draft Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_036677 - 036797
1222	9/10/03	Draft Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_036798 - 036918
1223	9/03	Draft: Economic Analysis of the Proposed WQS Rule for the State of OR	OR_EPA_AR_036919 - 036992
1224	9/12/03	Powerpoint Presentation: Oregon Water Quality Standards	OR_EPA_AR_036993 - 036995
1225	9/15/03	Draft Preamble for Proposed Federal Rule for OR WQS with notes	OR_EPA_AR_036996 - 037110
1226	9/19/03	Final Draft Proposed Federal Rule and Preamble	OR_EPA_AR_037111 - 037228
1227	9/28/03	Final Draft Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_037229 - 037356
1228	9/29/03	Final Draft Preamble for Proposed Federal Rule for OR WQS	OR_EPA_AR_037357 - 037484
1229	2/11/04	Draft Response to General Public Comments re: OR's WQS	OR_EPA_AR_037485 - 037488
1230	2/25/04	Draft Outline of April 2003 Public Process Activities for Temperature Guidance, Proposed Federal Rulemaking, and Oregon Rulemaking	OR_EPA_AR_037489 - 037492
1231	2/26/04	Support Document: Oregon Draft of Public Participation Process	OR_EPA_AR_037493 - 037496
1232	2/26/04	Support Document: Oregon Draft of Public Participation Process	OR_EPA_AR_037497 - 037500
1233	2/27/04	Draft Question and Answer Document re: EPA Approval of Water Quality Standards for the State of Oregon	OR_EPA_AR_037501 - 037502
1234	undated	Draft Decision Letter from EPA re: Submitted OR Standards	OR_EPA_AR_037503 - 037512
1235	undated	Draft Questions and Answers Document re: EPA WQS Rule for OR with notes	OR_EPA_AR_037513 - 037517

1236	undated	Notes on OMB Review of Draft EPA WQS Rule for OR	OR_EPA_AR_037518
<u>Part C:</u> Documents Added to Administrative Record Pursuant to 10/21/09 Court Order			
Temperature Guidance Document			
1237	8/12/02	Email from Stephen Zylstra, U.S. FWS, to Dru Keenan, EPA, re: ESA Assurances	OR_EPA_AR_037519 - 037520
ESA Consultation Document			
1238	11/03/03	EPA HQ SHPD (Standards and Health Protection Division) Comments on BE	OR_EPA_AR_037521 - 037690
			j.k. doc 265052

Note:

*Documents identified to be added to record during Spring 2008 “Meet and Confer” with plaintiff.

** Documents with redaction of handwritten notes for author’s personal use; redaction agreed to by plaintiff during Spring 2008 “Meet and Confer”.

*** Documents discussed in footnote 3 and accompanying text of Federal Defendants’ Opposition to Plaintiff’s Motion to Complete Administrative Records (Docket No. 153); also discussed in footnote 1 of the log of excluded documents submitted therewith (Attachment 1 to the Declaration of Elin Miller, Docket No. 161).